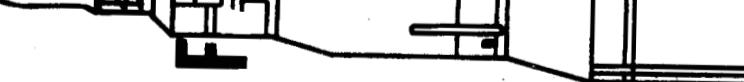


# JOHN F. KENNEDY SPACE CENTER

## SUPPORT DIRECTIVE

40002



FACILITY FORM SC2

N 68 - 21910  
(ACCESSION NUMBER)  
106  
(PAGES)  
Tuy-61054  
(NASA CR OR TMX OR AD NUMBER)

### APOLLO-SATURN V

#### FLIGHT READINESS TEST

GPO PRICE \$ \_\_\_\_\_  
CFSTI PRICE(S) \$ \_\_\_\_\_  
Hard copy (HC) 3.00

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# 653 July 65

SEPTEMBER 22, 1967



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



5

September 22, 1967

JOHN F. KENNEDY SPACE CENTER

SUPPORT DIRECTIVE

APOLLO/SATURN V

FLIGHT READINESS TEST

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Management Office, M3-35-A

OLO  
SD 40002

## 1. CLASSIFICATION

SYNOPSIS OF REVISIONS		2. DATE September 22, 1967	4. PAGE NO. 010.1
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0	5. REPLACES PAGES
7. ITEM NO.	8. TEST CODE	7. NUMBER 40002	DATE
This Document includes responses through Rev 3 RD 40002 and Rev. 14 PSRD 40002 with the exception of data disposition. Up			

1. CLASSIFICATION

GENERAL FORM- 011A

## 1. CLASSIFICATION

## REVISION AND SECURITY CONTROL SHEET

		2. DATE September 1, 1967		4. PAGE NO. 020																																			
		3. REVISION NO. 0		5. REPLACES PAGES																																			
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NUMBER 40002		8. ITEM NO.																																			
9. ORIGINAL DOCUMENT		10. REVISION, REVISION DATE AND CLASSIFICATION		11. DATE																																			
A. PAGE	B. CL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
010		U																																					
010.1		U																																					
020		U																																					
020.1		I																																					
020.2		U																																					
020.3		U																																					
020.4		U																																					
030		U																																					
030.1		U																																					
030.2		U																																					
040		U																																					
040.1		U																																					
050		U																																					
050.1		U																																					
070		U																																					
090		U																																					

1. CLASSIFICATION

FORM 020 PART 2

## 1. CLASSIFICATION

REVISION AND SECURITY CONTROL SHEET

## 1. CLASSIFICATION

FORM 02C PART 2

## 1. CLASSIFICATION

## REVISION AND SECURITY CONTROL SHEET

		2. DATE September 22, 1967		4. PAGE NO. 020-2	
		3. REVISION NO. 0		5. REPLACES PAGES	
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NUMBER 400002		8. ITEM NO.	
10. ORIGINAL DOCUMENT		11. REVISION, REVISION DATE AND CLASSIFICATION			
A. PAGE	B. CL	1	2	3	4
1200.4	U				
1200.5	U				
1200.6	U				
1200.7	U				
1200.8	U				
1200.9	U				
1300	U				
1400	U				
1600	U				
1780	U				
2000	U				
2020	U				
2020.1	U				
2020.2	U				
2021	U				
2020	U				
2020.1	U				
2020.2	U				
2020.3	U				
2020.4	U				
2020.5	U				
2020.6	U				
2020.7	U				
2020.8	U				
2020.9	U				

1. CLASSIFICATION

FORM 020 PART 2

CLASSIFICATION

REVISION AND SECURITY CONTROL SHEET

## 1. CLASSIFICATION

## 1. CLASSIFICATION

## REVISION AND SECURITY CONTROL SHEET

6. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST4. PAGE NO.  
020.45. REPLACES PAGES  
07. NUMBER  
4.00002

8. ITEM NO.

DATE  
REVISION, REVISION DATE AND CLASSIFICATION

9. ORIGINAL DOCUMENT	B. CL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
2060	U																																							
2060.1	U																																							
2060.2	U																																							
2060.3	U																																							
2080	U																																							
2080.1	U																																							
2080.2	U																																							
2250	U																																							
2500	U																																							
2500.1	U																																							
2650	U																																							
2700	U																																							
2820	U																																							
3200	U																																							
3200.1	U																																							
3230	U																																							
3230.1	U																																							
3230.2	U																																							

**I. CLASSIFICATION**

DISTRIBUTION LIST		2. DATE September 22, 1967	4. PAGE N 030		
APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0	5. REPLACES PAGES		
Mail Symbol	Number Of Copies	7. NUMBER 40002	8. ITEM NO.	9. TEST CODE	DATE
PA	1	DE-TEC	IN-PIN		
PA-PTB-A	1	TS-RRO	IN-QAL		
EX-SCI	1	TS-TSM-B	IN-TEC		
AP-SAT-3	1	TS-TSM-1	SO-COM-1		
AP-SCO	1	TS-TSM-2	SO-COM-2		
AP-ORN-3	2	TS-TSM-3	SO-COM-4		
LO-RRO	1	TS-TSM-4	IS-RRO		
LO-PLN	1	TS-TSM-5	IS-CAS-12		
LV-GDC-24	1	TS-TSM-6	IS-CAS-112		
LV-DNS-1	1	TS-MET	IS-CAS-423		
LV-MEC	1	IN-DAT-1	IS-SEC-2		
LV-MEC-1	1	IN-DAT-2	IS-SAF		
LV-MEC-2	1	IN-DAT-3	IS-PEM		
LV-MEC-3	1	IN-DAT-4	IS-PEM-1		
LV-TOM-4	1	IN-DAT-5	IS-PEM-2		
LV-PLN-12	3	IN-DAT-51	IS-PEM-3		
LV-CAP	1	IN-MSD	IS-LOG-22		
LS-PLN-21	19	IN-MSD-1	IS-DOC		
DE-ESD	1	IN-MSD-3	IS-DOC-2		
DE-FAC-3	1	IN-TEL-11	IS-DOC-3		
DE-KEM	2	IN-TEL-12	IS-TSMA		
DE-CEM	1	IN-TEL-2	IS-TSMA		
DE-EEM	1	IN-TEL-3	IS-CAS-2		
		IN-TEL-4			

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**I. CLASSIFICATION**

**1. CLASSIFICATION**

DISTRIBUTION LIST		2. DATE September 22, 1967	4. PAGE NO. 030.1
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0	5. REPLACES PAGES
Mail Symbol	Number Of Copies	7. NUMBER 40002	8. ITEM NO. 9. TEST CODE DATE
<u>Recipient</u>		<u>Address</u>	
		TRW Systems Florida Operations, 7001 N. Atlantic Ave. Cape Canaveral, Florida	
BEN-15		O. L. Walker	IBM, Dept. 941, E & L Bldg., Room 1205
FEC 6.3		F. Baugh	Bendix Corporation, BEN-15, Rm 2155, KSC Hdqtrs. Bldg.
TWA-1321		H. Green	Operations Planning, CDSCC Bldg.
FEC (Timir.g)		R. Maxwell	Trans-World Airlines, TWA-1321
TS-TSM-2/LTV		R. D. Lavin	Federal Electric Corp., CIF, Room 248
SO-COM-3		D. M. Detwiler	IBM Dept, M86, CX 20, Blockhouse (2nd Floor)
		H. E. Ramiriz	Ling-Temco-Vought, TS-TSM-2/LTV
		W. J. Stone	Southern Bell Telephone and Telegraph, SBT&T
			Douglas Aircraft Co., Inc., Document Control, MA-20
			G. E. GE S/C Systems Support, Rm 4832, MSOB
		J. E. Lineberger	IBM Dept 929, VAB, Room 2N8
		J. E. Morley	GE Room 212, Cape Royal Bldg., Cocoa Beach, Fla.
		C. F. Gilchrist	Boeing, VAB 221
GE-ASD		T. Newton	LTV, Hdquarters Bldg., Room 2338
LTV/P11		J. E. Park	Boeing, VAB 3LL5
		E. E. Zyzak	Boeing, LCC 2P2
			USB Station Directory Bldg, M5-1494

**1. CLASSIFICATION**

GENERAL FORM - 011C

## 1. CLASSIFICATION

DISTRIBUTION LIST		2. DATE September 22, 1967	4. PAGE NO. 030.2
		3. REVISION NO. 0	5. REPLACES PAGES
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST	7. NUMBER 400002	8. ITEM NO.	9. TEST CODE DATE
<u>Office Symbol</u>	<u>Number Of Copies</u>	<u>Addressee</u>	<u>Address</u>
Code 552	15	Mr. Tucker	GSFC, University Bldg, Greenbelt, MD.
GNSO	3	J. W. Speck	GSFC, Room 1-190, Bldg. 424, PAFB, Florida
BF-63	25		MSC, Houston, Texas
I-MO-R	40	H. Golden	MSFC, Huntsville, Alabama
MOAR	2	Russ Brooks	NASA Headquarters, Washington, D. C.
MOR	<u>10</u>	Dor. Luke	NASA Headquarters, Washington, D. C.
	290	TOTAL	

1. CLASSIFICATION

GENERAL FORM - 011C

## I. CLASSIFICATION (If Applicable)

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• PAGE NO. 020			• PAGE NO. 14-147B			• PAGE NO. 2. DATE September 22, 1967
• 3. REVISION NO. 0			• PAGE NO. 14-147B			• PAGE NO. 3. REPLACES PAGE(S) 0
010	010.1	X APPROVAL AUTHORITY	1600	14-147B	X	COMPOSITE SYSTEMS - GROUND SUPPORT INSTRUMENTATION - GENERAL
020	020	X SYNOPSIS OF REVISIONS	1780	14-147B	X	SPECIAL DATA SUPPORT
		X REVISION AND SECURITY CONTROL SHEET	2000	14-147B	X	GROUND COMMUNICATIONS - GENERAL
030	030	X DISTRIBUTION LIST	2020	14-147B	X	COMMUNICATIONS SUPPORT - GENERAL
050	050	X GUIDELINES	2021	14-147B	X	COMMUNICATIONS SUPPORT - VOICE RECORDINGS
070	070	X SPECIAL ABBREVIATIONS AND NOMENCLATURE	2040	14-147B	X	COMMUNICATIONS SUPPORT - INTERCOMMUNICATIONS SYSTEMS DRAFTING
090	090	X PERSONNEL CONTACTS	2050	14-147	X	COMMUNICATIONS SUPPORT - RADIO
120	120	X TEST DESCRIPTION/OBJECTIVES/DURATION AND FREQUENCY	2051	14-147B	X	COMMUNICATIONS SUPPORT - POINT TO POINT PHONES
125	125	X KSC SCHEDULING RESPONSIBILITIES	2052	14-147	X	COMMUNICATIONS SUPPORT - TELEPHONES - OTHER
126	126	X REQUESTER'S RESPONSIBILITIES	2053	14-147B	X	COMMUNICATIONS SUPPORT - TELETYPE
127	127	X REQUIREMENTS NOT MET	2055	14-147B	X	COMMUNICATIONS SUPPORT - TELEVISION CAMERAS AND MONITORS
130	130	X TERRITORIAL COUNTDOWN	2056	14-147B	X	COMMUNICATIONS SUPPORT - CITY CIRCUITS A2A
310	310	X SUMMARY OF FREQUENCY UTILIZATION	2057	14-147B	X	COMMUNICATIONS SUPPORT - DATA CIRCUITS (A2A)
1000	1000	X GROUND SUPPORT INSTRUMENTATION - GENERAL	2058	14-147B	X	COMMUNICATIONS SUPPORT - THREE Pairs
1130	1130	X METRIC TRACKING RECORDINGS	2060	14-147	X	TIME SPECIFICATIONS
1200	1200	X DATA SUPPORT - GENERAL	2080	14-147	X	VISUAL COUNTDOWN AND STATUS INDICATORS
1300	1300	X COMMAND CONTROL - FUNCTIONS				
1400	1400	X A/G GROUND COMMUNICATIONS - GROUND SUPPORT INSTRUMENTATION - GENERAL				

## I. CLASSIFICATION (If Applicable)

## TABLE OF CONTENTS

* TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST			2. DATE September 22, 1967	4. PAGE NO. 040.1
PAGE NO.	FORM NO.	ACTIVE	5. REPLACES PAGE(S)	
			3. REVISION NO. 0	
I. NO.	4.0002	DATED:		
PAGE NO.	FORM NO.	PAGE TITLE	PAGE NO.	FORM NO.
2210	14-147B	X DATA DISPLAY AND CONSOLES		
2500	14-147B	X FLIGHT EVALUATION DATA PROCESSING COMPUTER REQUIREMENTS - GENERAL		
2550	14-147B	X FLIGHT EVALUATION DATA PROCESSING COMPUTER SUPPORT - MISCELLANEOUS		
2700	14-147A	X PHOTOGRAPHIC ACQUISITION - DISPOSITION DOCUMENTARY		
2820	14-147B	X METEOROLOGICAL - FORECASTS		
3200	14-147B	X SERVICES - GENERAL		
3230	14-147B	X PROPELLANTS, GASES, AND CHEMICALS		
3240	14-147B	X CHEMICAL AND PHYSICAL ANALYSIS		

CLASSIFICATION (If Applicable)

FORM C30

**1. CLASSIFICATION**

GUIDELINES		2. DATE September 22, 1967	4. PAGE NO. 050
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0	5. REPLACES PAGES
7. ITEM NO.	8. TEST CODE	7. NUMBER 40002	DATE
1	501 & Up	Note that the following pages of RD 40002 were deleted by the requester and are not responded to in SD 40002. <u>PAGE NO.</u> <u>PAGE NO.</u> 2040.1 2040.2 2040.3 2040.5 2040.7 2050 2050.1 2050.3 2050.4 2050.5 2050.6 2060.1 2060.2 2060.3 2060.4 2060.5 2060.6 2060.7 2060.8 2080.1 2080.2 2080.3	
2	<u>LIST OF ABBREVIATIONS</u> R/T T R E NPURPT L WHAV WNBP		
3	Support that has specific times stated for delivery of data or installation of equipment shall be stated using the following abbreviations: a. Calendar Days - CD b. Work Days - WD c. Clock Hours - CH d. Work Hours - WH		

**1. CLASSIFICATION**

**1. CLASSIFICATION**

GUIDELINES		2. DATE September 22, 1967	4. PAGE NO. 050.1
		3. REVISION NO. 0	5. REPLACES PAGES
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST	7. NUMBER 40002	8. DATE	
ITEM NO.	TEST CODE		
4		CD and CH indicate that the support organization is to expend overtime as necessary to provide the requested support in sequential days or hours.	
5		WD and WH indicate that the support organization is to provide the support during normal established working days or hours.	
6		The office symbols used in the "Item No." columns of this SD denote the following offices:	
<p>PC - Technical Staff (Data) QJ - Operations Control Office (Communications, Timing) QC - Technical Services Division (Services) QK - Launch Facilities Division (Services) RE - Safety Office (Services) RL - Test Support Management Office (Services) RH - Documentation Division (Optics) NF - Staff Meteorologist</p>			

**1. CLASSIFICATION**

GENERAL FORM- 011A

## 1. CLASSIFICATION \_\_\_\_\_

SPECIAL ABBREVIATIONS AND NOMENCLATURE		2. DATE September 22, 1967	4. PAGE NO. 070
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0	5. REPLACES PAGES
6. ITEM NO.	7. NUMBER 40002	8. ITEM NO.	9. TEST CODE DATE
Word or Abbreviation	Definition or Meaning	Word or Abbreviation	Definition or Meaning
IP&C	Instrumentation Program and Components	MCC-H	Mission Control Center - Houston
FR	Firing Room	SCF	Standard Cubic Feet
TCE	Telemetry Checkout Equipment	COS	Command and Communications System
USB	Unified S-Band	EDS	Emergency Detection System
RACS	Remote Automatic Calibration System	RSCR	Range Safety Command Receivers
DRSCS	Digital Range Safety Command System	ALDS	Apollo Launch Data System
LVDC	Launch Vehicle Digital Computer	CR	Change Request
DEE	Digital Events Evaluator	MSFC	Marshall Space Flight Center
PTCR	Pad Terminal Connection Room	MSC	Manned Spacecraft Center
HOSC	Huntsville Operations Control Center	MSR	Mission Support Room (MSC)
OSR	Operations Support Room (HOSC)	ECS	Environmental Control System

## 1. CLASSIFICATION \_\_\_\_\_

## PERSONNEL CONTACTS

I. CLASSIFICATION // *491*

8. ITEM NO.		9. TEST CODE		10. NAME		11. ORGANIZATION		12. RESPONSIBILITY		13. BUSINESS ADDRESS		14. TELEPHONE NO.	
• TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST		2. DATE September 22, 1967		4. PAGE NO. 090		5. REVISION NO. 0		6. PAGE(S) 0		7. MO. 400002		8. DATED:	
1	501 & Up	C. F. Henschel	LO-OPEN	Test Supervisor	VAB	867-5750							
2		W. R. Quinn	TS-TSM-5	Test Support Manager, Saturn V	LCC 39	867-7155							
3		E. K. Blevins	TS-TSM-3	Scheduling Branch	Launch Complex 39	867-5176							
4		B. J. Smith	TS-TSM-2	Test Support Planning Branch	KSC Headquarters Building	867-2526							
5		R. T. Ginn	TS-TSM-2	Test Support Planning Branch	KSC Headquarters Building	867-2526							
6		W. E. Dempsey	TS-TSM-6	Test Support Manager, Spacecraft	MSOB	867-3243							
7		D. T. Penland	AP-OPN-3	A/S V Requirements	KSC Headquarters Building	867-5489							
8		R. T. Creeden/J. N. Barfus	TS-TSM-5	Test Support Controller	LCC 39	867-5176							
9		J. M. Coonce	IN-TEC	Instrumentation Controller	CIF	867-4336							
10		W. G. Jelen	IN-DAT-1	NASA/KSC Data Office	CIF, Room 328	867-4155							
11		A. Parrish	SO-COM-1	Chief, Ops Control Office (Communications)	C&SC	867-3156							
12		C. E. Fant	IS-DOC-2	Photography	KSC Headquarters Building Room 3390	867-6024							

I. CLASSIFICATION // *491*

FORMAT 079

**1. CLASSIFICATION**

TEST DESCRIPTION/OBJECTIVES/DURATION AND FREQUENCY		2. DATE September 22, 1967	4. PAGE NO. 120
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST	7. NUMBER 40002	3. REVISION NO. 0	5. REPLACES PAGES
8. ITEM NO.	9. TEST CODE	TEST DESCRIPTION	
1	501 & Up	The Flight Readiness Test will be performed with the Space Vehicle in launch configuration except for use of a minimum amount of OAT equipment required for performance of the test. All critical electrical circuits will be slugged or jumpered.	<p>The Spacecraft abort sequences will be run in the Space Vehicle "minus time." Launch Vehicle will provide required support for spacecraft pad abort during minus count. The spacecraft will complete a compressed mission simulation with the Launch Vehicle completing a full duration simulation. Propellant loading will be simulated in this test.</p> <p>The Azusa, CCS, and C-band transponders will be interrogated and read out by range operations ground stations. The ODOP transponder will be interrogated and read out by the ground station. The up-data command receiver will be checked by a pre-programmed data format transmitted to the command receiver/decoder and the reception verified by the advanced guidance computer through PCM/DDAS telemetry.</p> <p>The ETR command transmitter will send cutoff and destruct signals closed loop to S-IC and S-II after S-II burn. After second burn, S-IVB RSQRs will be supplied with cutoff, propellant dispersion and safing signals, and the test will then be terminated.</p> <p>Test location - Pad</p> <p><u>TEST OBJECTIVES</u></p> <p>To assure that the vehicle is functioning properly in a configuration which is as near as possible to launch configuration when operated with all Pad GSE.</p> <p><u>TEST DURATION AND FREQUENCY</u></p> <p>Estimated time required - 13 hours.</p> <p>Procedure V-41307-SA-XXX (XXX denotes vehicle serial number) Procedure V-20017-SA-XXX</p>
2			
3			

**1. CLASSIFICATION**

## 1. CLASSIFICATION (IF ANY) \_\_\_\_\_

			2. DATE September 22, 1967	4. PAGE NO. 125
			3. REVISION NO. 0	5. REPLACES PAGE(S)
<p>6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST</p> <p>8. ITEM NO.</p>			7. NO. 40002	DATED:
<p>9. TEST CODE 501 &amp; Up</p> <p>10. SD/RD ITEM NO.</p>			11. SD/RD PAGE NO.	12. DISCUSSION OD 40002 should be scheduled to support this test.

## 1. CLASSIFICATION (IF ANY) \_\_\_\_\_

				2. DATE September 22, 1967	4. PAGE NO. <u>126</u>
				3. REVISION NO. 0	5. REPLACES PAGE(S)
				6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST	
ITEM NO.	TEST CODE	SD RD ITEM NO.	SD/RD PAGE NO.	DISCUSSION	
1 QJ	501 & Up	T38.3 PEGK	3402.4.4.1 PSRD	The customer must define this requirement by giving circuit number or more descriptive information so that circuit may be identified.	
2 QJ		1 KG -10 KG 2 KG	RD 2040 RD 2050.2	Items 2 - 10 KG on page RD 2040 and 2 KG on page RD 2050.2 are duplications and should be consolidated in future revisions of the RD.	
3 QJ		9 PG	RD 2050.4	This is a duplication of page RD 2050.12 Item 14 PG and should be deleted.	
4		-	-	Deleted.	
5 QJ		14 PG	RD 2060.9	EMC Van at LC-39, Pad A, Audio countdown. This requirement should be placed on RD page number 2050.	
6 QJ		1 JG	RD 2060.10	LCC-39 2P10A. Timing signals are provided to rack TCE-39. It is the requester's responsibility to distribute signals from this rack.	
7 QJ		PG		LCC-39, Room 4PLL, Signals are provided in rack 3. It is the requester's responsibility to distribute signals outside this rack and for displaying the Count Hold signal.	
8 QJ		1 KG 2 KG 3 KG 4 KG	RD 3240 RD 3240.1	Requester to advise Bendix PSCL name of personal contact, company, telephone number, pressure and type of container, fitting sizes and number of samples desired. Contact Gas Lab, telephone number 867-2337, 12 hours prior to time sampling desired.	
9 QJ		2 KG	ED 3200.1	Requester to contact Bendix PSCL Leak Detection Lab, telephone number 867-4060, 12 hours prior to time support desired. Advise name of personal contact, company, telephone number, type of system, pressure or vacuum, exact location, and/or working level, type of test and results desired of test.	

REQUIREMENTS NOT MET						4. PAGE NO. 127									
						2. DATE September 22, 1967									
						3. REVISION NO. 0									
						5. REPLACES PAGE(S)									
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO. 400002		8. ITEM NO.		9. TEST CODE		10. SD/RD ITEM NO.		11. SD/RD PAGE NO.		12. DISCUSSION			
1 QJ 501 & Up		1 JG - 4 JG		RD 2015.0		TRIG-C timing on audio tape recordings cannot be provided until central recording facility is completed.		2 QJ		1 JG		RD 2040.8 RD 2040.9		Support action has been taken to provide item RD 1 JG page 2040.3.2, Block 28, RF OIS Channel 225 to CIF, Room 307. This item will be committed when installation is complete.	
3 QJ		2 HD - 1 HD		RD 2055.1 RD 2055.2		The abort advisory system is still in engineering design stage and is not operational at this time.		4 QJ		1 PG		RD 2050.12		Conductor event cables are operational as installed and are not documented unless specific circuits are desired.	
5 QJ		5 HD - 9 HD		RD 2052.2		Administrative telephones are not considered operational equipment and are not to be obtained through requests in the RD. Requirements of this nature should be processed through Systems Support Branch, QJ-3.		6 QJ		4 PG		RD 2040.6		Mobile or portable radio or transceiver is not operational equipment and cannot be obtained through the RD. Support of this type is obtained by submitting a request to QJ-2.	
7 QJ		5 HD		RD 2050.20		Reference console AA-6, Button should read #18 in lieu of #13 per HD.		8 QJ		1 NC		RD 2040.4		Inherent capability of the console dictates that point to point circuits must appear on Buttons 13 through 18 and are documented on page 2040.13.	
9 QJ		5 HD - 7 HD		RD 2040.9.2		Support request has been initiated to provide TV audio to consoles (AA-5, AA-6, AA-7) and will be committed when work is complete (SR 9-6 with requested completion date of 10/1/67).									

## 1. CLASSIFICATION (IF ANY)

				2. DATE	September 22, 1967	4. PAGE NO.	127.1																																																																																
				3. REVISION NO.	0	5. REPLACES PAGE(S)																																																																																	
				6. TITLE	7. NO.	DATED:																																																																																	
					40002																																																																																		
<table border="1"> <thead> <tr> <th colspan="4">REQUIREMENT NOT MET</th> <th colspan="4">DISCUSSION</th> </tr> <tr> <th>ITEM NO.</th> <th>TEST CODE</th> <th>SD/RD ITEM NO.</th> <th>SD/RD PAGE NO.</th> <th>11.</th> <th>SD/RD PAGE NO.</th> <th>12.</th> <th></th> </tr> </thead> <tbody> <tr> <td>10 QJ</td> <td>501 &amp; Up</td> <td>14 JG 15 JG</td> <td>RD 2050.18.4 (Block 13) RD 2050.18.5 (Block 19)</td> <td>Items should read RF OIS Channel 112-Console AB-2 Button 15 in lieu of Button 16 and RF OIS Channel 261-Button 16 in lieu of Button 15 and will be documented as such.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>11 QJ</td> <td></td> <td>14 HD</td> <td>RD 2040.9.3 (Block 16 &amp; 24)</td> <td>Support request action has been taken to comply with this requirement (SR 9-10 completion date 9/27/67).</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12 QJ</td> <td></td> <td>5 HD-9 HD</td> <td>RD 2040.9.2 (Block 13 &amp; 14)</td> <td>Support request action has been taken to comply with this requirement ;(SR 6-9 completion date 10/1/67).</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13 QJ</td> <td></td> <td>16 JG</td> <td>RD 2050.18.6</td> <td>Button requirements for point to point circuit between Consoles AA-3 and AA-4 should read Button #18 for both consoles in lieu of Button #2, #12, and #15 per coordination with JG.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>14 QJ</td> <td></td> <td>3 JG</td> <td>RD 2040.11</td> <td>Support request action has been taken to extend RF OIS Channel 156 to CIF Room 291 and will be committed when work is complete</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15 QJ</td> <td></td> <td>3 HD-4 HD</td> <td>RD 2040.9.1</td> <td>These items are for AS-502 only and will be committed when the SD is updated for AS-502.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16 QJ</td> <td></td> <td>3 JG</td> <td>RD 2040.11</td> <td>a. The customer has submitted a CR (39-0676) for RF OIS equipment in Rooms 1M4, 2M16A and 3M6 which, will be committed when installed.  b. CR action (39-1134) has been taken for RF OIS in Room 25E12 which will be committed when installed.  c. The customer has submitted a CR for RF OIS in Room 25E15A which will be committed when installed.  d. The customer has submitted a CR (39-0274) for equipment in 8B of the ML which will be committed when installed.  e. CR action has been taken to provide RF OIS in Rooms 3F11 and 3F12 which will be committed when installed.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>17 QJ</td> <td></td> <td>T12 PEGKD</td> <td>PSRD 3402.4.3</td> <td>Circuits GP58204 (Air Ground 1) and GP58219 (Air Ground 2) are for 503 and up. Circuits are being re-configured by MSC and will not be committed in this SD.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								REQUIREMENT NOT MET				DISCUSSION				ITEM NO.	TEST CODE	SD/RD ITEM NO.	SD/RD PAGE NO.	11.	SD/RD PAGE NO.	12.		10 QJ	501 & Up	14 JG 15 JG	RD 2050.18.4 (Block 13) RD 2050.18.5 (Block 19)	Items should read RF OIS Channel 112-Console AB-2 Button 15 in lieu of Button 16 and RF OIS Channel 261-Button 16 in lieu of Button 15 and will be documented as such.				11 QJ		14 HD	RD 2040.9.3 (Block 16 & 24)	Support request action has been taken to comply with this requirement (SR 9-10 completion date 9/27/67).				12 QJ		5 HD-9 HD	RD 2040.9.2 (Block 13 & 14)	Support request action has been taken to comply with this requirement ;(SR 6-9 completion date 10/1/67).				13 QJ		16 JG	RD 2050.18.6	Button requirements for point to point circuit between Consoles AA-3 and AA-4 should read Button #18 for both consoles in lieu of Button #2, #12, and #15 per coordination with JG.				14 QJ		3 JG	RD 2040.11	Support request action has been taken to extend RF OIS Channel 156 to CIF Room 291 and will be committed when work is complete				15 QJ		3 HD-4 HD	RD 2040.9.1	These items are for AS-502 only and will be committed when the SD is updated for AS-502.				16 QJ		3 JG	RD 2040.11	a. The customer has submitted a CR (39-0676) for RF OIS equipment in Rooms 1M4, 2M16A and 3M6 which, will be committed when installed.  b. CR action (39-1134) has been taken for RF OIS in Room 25E12 which will be committed when installed.  c. The customer has submitted a CR for RF OIS in Room 25E15A which will be committed when installed.  d. The customer has submitted a CR (39-0274) for equipment in 8B of the ML which will be committed when installed.  e. CR action has been taken to provide RF OIS in Rooms 3F11 and 3F12 which will be committed when installed.				17 QJ		T12 PEGKD	PSRD 3402.4.3	Circuits GP58204 (Air Ground 1) and GP58219 (Air Ground 2) are for 503 and up. Circuits are being re-configured by MSC and will not be committed in this SD.			
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		2. DATE September 22, 1967		4. PAGE NO. <u>127.2</u>																																																																																													
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* REQUIREMENTS NOT MET				2. DATE September 22, 1967	4. PAGE NO. 127.3
5. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0		5. REPLACES PAGE(S)	
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	12. SD/RD PAGE NO.	7. NO. 40002 DATED:
DISCUSSION					
<p>32 QJ 501 &amp; Up 1 KG RD 2015.2 Until the Central Recording Facility at CD&amp;SC has additional facilities only nine circuits can be recorded simultaneously.</p> <p>33 QJ 3 HD- 4 HD RD 2040.9.1 These items are for AS 502 launch and will only be committed when this SD is updated for A/S 502.</p> <p>34 QJ 1 KG RD 2055 The requirement for OTV coverage to support White room operations has been submitted on CR 39-0196. Estimated completion date is unknown at this time.</p> <p>35 QJ 5 KG RD 208C MSOB room 2340. Coordination with requester has revealed that this room should be 3430.</p> <p>36 QJ 14 KG RD 2500.5 ABRP program will not be provided.</p> <p>37 QJ 15 KG RD 2500.5 UPLK program will not be provided.</p> <p>38 QJ 12 JG RD 2015.18.2 The LVO Staff Loop cannot be committed until completion of CR action that has been initiated to install the necessary equipment in required consoles. Those consoles having equipment are committed on the applicable SD.</p> <p>12 JG RD 2050.18.2</p> <p>1 JG RD 2040.9</p> <p>3 HD RD 2020.2</p> <p>14 JG RD 2050.18.4</p> <p>15 JG RD 2050.18.5</p> <p>16 JG RD 2050.18.6</p> <p>1 HD- 2 HD RD 2040.9.1</p> <p>1 JG RD 1200.11 a. Decommunication of DP-1A will not be provided.</p> <p>40 QJ RD 1200.11 b. Verbal readouts of the required parameters will not be provided. An IBM instrumentation monitor is required to perform this function</p> <p>41 JG RD 1200.11</p> <p>42 JG RD 1200.11</p> <p>43 JG RD 1200.12</p> <p>14 PG RD2060.9</p> <p>41 QJ</p>					

## I. CLASSIFICATION (If Any) \_\_\_\_\_

## TERMINAL COUNTDOWN

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				2. DATE September 22, 1967	4. PAGE NO. 130
				3. REVISION NO. 0	5. REPLACES PAGE NO.
6. ITEM NO.	9. TEST CODE	10. TIME	11. OPERATION OR SERVICE	7. NO. 400002	8. DATED:
1	501 & Up	A. START	B. COMPLETE	<p>Prior to start of this test procedure the Launch Vehicle will be configured as follows:</p> <ul style="list-style-type: none"> <li>(1) Mandatory OAT Equipment will be mated with the L/V.</li> <li>(2) T/M &amp; HF Systems will have antenna repeaters installed.</li> <li>(3) DRSCS Test Code plugs installed R and system connected for closed loop operation.</li> <li>(4) Pulse sensors will be installed R in all applicable ordnance systems.</li> <li>(5) Battery bypass cables will be installed.</li> </ul> <p>IU Power Up Preparations S-IC, S-II and S-IVB Power On and Functional Tests RF Systems on for Range Checks RSCR Functional Checks T/M Systems Checkout Propellant Dispersion Systems Checks Simulated Propellants Loading USB Ground Station Support CCS Checks EDS Test USB Ground Station Support CCS Checks RF and T/M Systems Checkout Range Safety Checks Power Transfer Test Preflight Preparations T/M Recorders ON Initiate Firing Command S-IC Time for Ignition Test Function Vehicle Liftoff. Start L/V Mission Simulation S-IC Burn S-II Camera Motor ON S-IC/S-II Separation S-II Engine Burn S-II Second Plane Separation S-II/Cameras (3) Eject S-II/S-IVB Separation S-IVB First Burn S-IC/S-II Propellant Dispersion Command S-SC/S-II Stage Power Off Count Recycle to T + 00 minutes 00 seconds Coast Period S-IVB Second Burn Escape Mode S-IVB Propellant Dispersion Command End Operating Steps - Begin Post Test Operations</p>	
12. REMARKS					

## I. CLASSIFICATION (If Any) \_\_\_\_\_

## 1. CLASSIFICATION

SUMMARY OF FREQUENCY UTILIZATION				2. DATE September 22, 1967	4. PAGE NO. 310.0			
				3. REVISION NO. 0	5. REPLACES PAGES			
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST				7. NUMBER 400002	8. DATE DATE			
10. VEHICLE				18. REMARKS				
ITEM NO.	TEST CODE	11. FREQUENCY(MHZ) A. XMITTER B. REC	12. EMISSION CHARACT	13. PURPOSE	14. GUARD BAND	15. TIME	16. SPECIAL MONITORING REQUEST	17. LOCATION
1	501 &Up	237.8	FM, BW-1 mc at 55dB 10 w Av Pwr.	A/G TM			Open loop radiation clearance is required for these frequencies for duration of test.	
2		296.8	AM, 5 w AV. Pwr.	VHF Voice				
3		450	FM		Up-link-Data Command System			
4		5765	Pulse 2.5w Peak		A/G Transponder			
5		5690	Pulse		C-Band Transponder Receive			
6		2287.506	CW-10 w		SC Transmitter			
7		2106.40625	CW		SC Receive			

1. CLASSIFICATION

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## 1. CLASSIFICATION

SUMMARY OF FREQUENCY UTILIZATION		2. DATE September 22, 1967	4. PAGE NO. 210.1							
		3. REVISION NO. 0	5. REPLACES PAGES							
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NUMBER 40002	8. DATE							
10. VEHICLE S-IC Stage		9. TEST CODE		11. FREQUENCY MHz	12. EMISSION CHARACT	13. PURPOSE	14. GUARD BAND	15. TIME	16. SPECIAL MONITORING REQUEST	17. LOCATION
1	501 & Up	960	450	FM CW	PAM/FM/FM PAM/FM/FM PAM/FM/FM SS/FM	Range Safety ODOP				
		240.2	890		PCM/FM	TIM-Link AF-1				
		252.4				TIM-Link AF-2				
		231.9				TIM-Link AF-3				
		235.0				TIM-Link AS-1				
		256.2				TIM-Link AS-2				
		244.3				TIM-Link AP-1				
18. REMARKS										

1. CLASSIFICATION

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## 1. CLASSIFICATION

SUMMARY OF FREQUENCY UTILIZATION					
6. TITLE Apollo/Saturn V SD-FLIGHT READINESS TEST		7. NUMBER 400002			
10. VEHICLE S-II Stage		11. FREQUENCY MHz		12. EMISSION CHARACTER	
ITEM NO.	TEST CODE	A. XMITTER	B. REC	PURPOSE	GUARD BAND
2	501 & UP	241.5 234.0 229.9 248.6 227.2 236.2	450	PAM/FM/FM PAM/FM/FM PAM/FM/FM PCM/FM SS/FM SS/FM	Range Safety TIM-Link BF-1 TIM-Link BF-2 TIM-Link BF-2 TIM-Link BP-1 TIM-Link BS-1 TIM-Link BS-2
14. TIME 15. SPECIAL MONITORING REQUEST 16. TIME 17. LOCATION					
18. REMARKS					

4. PAGE NO.  
310.25. REVISION NO.  
02. DATE  
September 22, 19673. REVISION NO.  
0

1. CLASSIFICATION

FORM 190

## 1. CLASSIFICATION

SUMMARY OF FREQUENCY UTILIZATION				2. DATE September 22, 1967	4. PAGE NO. 310.3					
				3. REVISION NO. 0	5. REPLACES PAGES					
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST	7. NUMBER 400002	8. ITEM NO. 10. VEHICLE S-IVB Stage	9. TEST CODE A. TRANSMITTER	11. FREQUENCY MHz B. REC	12. EMISSION CHARACTER	13. PURPOSE	14. GUARD BAND	15. TIME	16. SPECIAL MONITORING REQUEST	17. LOCATION
		3	501 & Up	450	FM	Range Safety				
			501 &	226.2	SS/FM	TLM-Link CS-1				
			502	232.9	PCM/FM	TLM-Link CP-1				
				258.5	PAM/FM	TLM-Link CF-1				
				246.3	PAM/FM/FM	TLM-Link CF-2				
				233.8	PAM/FM/FM	TLM-Link CF-3				
										18. REMARKS

1. CLASSIFICATION

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## 1. CLASSIFICATION

## SUMMARY OF FREQUENCY UTILIZATION

SUMMARY OF FREQUENCY UTILIZATION						
			2. DATE September 22, 1967	4. PAGE NO. 310.4		
			3. REVISION NO. 0	5. REPLACES PAGES		
6. VEHICLE APOLLO/SATURN V SD - FLIGHT READINESS TEST		7. NUMBER 40002	8. DATE DATE			
INSTRUMENT UNIT						
ITEM NO.	TEST CODE	11. FREQUENCY MHz A. TRANSMITTER B. REC	12. EMISSION CHARACTER	13. PURPOSE	14. GUARD BAND	15. TIME
4	501 & Up	2282.5 5000.0	2101.8 194 5060. 5690.0	Phase Mod. CW	TLM - Link DP-1B (CCS) Glotrac	
		5765.0	Pulse FM/FM PAM/FM/FM SS/FM PCM/FM PCM/FM	C-Band Radar TLM - Link DF-1 TLM - Link DF-2 TLM - Link DS-1 TLM - Link DP-1 TLM - Link DP-1A		
		250.7 245.3 259.7 255.1 2277.5				
16. SPECIAL MONITORING REQUEST						
17. LOCATION						
18. REMARKS						

FORM 190

SPECIFICATION

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST							4 PAGE NO. 1000
8.	ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. SD RD PAGE NO.	DISCUSSION	5. REPLACES PAGE(S)
1 PG	501 & Up	4 JG	RD 1000	RD 1000	RD 1000	ODOOP ground station will interrogate open loop and read out the ODOOP transponder.	DATE September 22, 1967
2 PG		5 JG				CIF will record LV telemetry links.	3 REVISION NO. 0
3 PG		6 JG	RD 1000	PSRD	3402.1	CIF will record AGC and signal strength. CIF will report all monitored out of tolerance parameters via point to point telephone.	
4 PG		T <sub>1</sub> PEGKD	RD 1000		RD 1000	ALDS will be provided to validate data link transmission to MCC-H.	
5 PG		8 JG				CIF will support requirements levied in RD 40002.	DATED: 400002
		1 KG	RD 1000.1				

## 1. CLASSIFICATION (IF ANY)

		2. DATE September 22, 1967	4. PAGE NO. 1130	
		3. REVISION NO. 0	5. REPLACES PAGE(S) 0	
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO. 400002	8. DATED:	
9. ITEM NO.		10. TEST CODE	11. SD/RD ITEM NO.	
11. SD/RD PAGE NO.		12. SD/RD PAGE NO.	DISCUSSION	
1 PG		501 & Up	1 JG	RD 1130 ODOP will record analog signal strength on strip charts.
2 PG			2 JG	RD 1130 ODOP will record doppler data on oscillograph.

DATA SUPPORT - GENERAL				2. DATE September 22, 1967	4. PAGE NO. 1200
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST				3. REVISION NO. 0	5. REPLACES PAGE(S)
8. ITEM NO.		9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. DATED:
1 PG		501 & Up	1 JG	RD 1200	General Comments
<p>1. Oscillograph Recordings - Sixteen Traces</p> <p>a. to c.</p> <p>b. Deflection: 5/8 or .625 inches.</p> <p>c. Speed: .25 inch/sec for all records except as follows: 4 inches/sec for FM/FM, FM/FM and SSB records.</p> <p>d. Timing: 1 pps countdown (plus) time on one edge and 2 pps IRIG Format C on the other.</p> <p>e. Reference Traces: Two reference traces will be used, one at each edge inside timing traces.</p> <p>f. Data Channels: Sixteen data channels are provided.</p> <p>g. Calibration: (1) The recorder calibration for all records, except those consisting of SSB measurements, will consist of at least five incremental steps ranging from 0 to 100% of full scale. For PCM measurements and PAM handled as digital data, 0% is equivalent to 24 bits and 100% is equivalent to 999 bits. For FM/FM measurements 0% is low band edge and 100% is high band edge. (2) SSB records will contain a 1500 cycle station calibration at the beginning and end of the record. The amplitude of signal will be the same on all data traces and will be equivalent to that produced by 2 volts peak-to-peak data applied to the airborne assembly.</p> <p>h. Data:</p> <ul style="list-style-type: none"> <li>(1) Any combination of POM/FM and PAM/FM/FM.</li> <li>(2) Records with only SS/FM in channel order.</li> <li>(3) Records with only FM/FM in channel order.</li> <li>(4) Records with only FM/FM/EM in channel order.</li> </ul>					

## 1. CLASSIFICATION (IF ANY) \_\_\_\_\_

				2. DATE September 22, 1967	4. PAGE NO. 1200.1
				3. REVISION NO. 0	5. REPLACES PAGE(S)
				6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST	
				7. NO. 40002	DATED:
				8. ITEM NO.	
				9. TEST CODE	10. SD/RD ITEM NO.
				11. SD/RD PAGE NO.	12.
				DISCUSSION	
<p>1 PG (Contd)</p> <p>501 &amp; Up</p>				<p>2. Strip Chart Recorders - Eight Channels.</p> <p>a. Deflection: 40 mm</p> <p>b. Speed: Normal speed 2 mm/sec. 5, 10, 20, 50, 100 and 200 mm/sec also available.</p> <p>c. Timing: 1 pps countdown plus time on one edge and 2 pps IRIG Format C on the other.</p> <p>d. Reference Traces: Timing traces at both edges will be used as the reference trace</p> <p>e. Data Channels: Eight data channels are provided.</p> <p>f. Calibration: The recorder calibration for all records, except those consisting of SSB measurements, will consist of at least five incremental steps ranging from 0 to 100% of full scale. (For PAM measurements and PAM handled as digital data, 0% is equivalent to 24 bits and 100% is equivalent to 999 bits). For FM/FM measurements 0% is Low Band edge and 100% is High Band edge.</p> <p>g. Data: Any combination of PAM/FM and PAM/FM/FM and discrete measurements if treated as analog.</p> <p>3. Event Recorders: Sixty Traces.</p> <p>a. Deflection: 1/8 or .125 inches.</p> <p>b. Speed: Normal speed is .25 mm/sec. Speeds: .5, 1, 2.5, 10, 25, 50, and 100 mm/sec. are also available</p> <p>c. Timing: 1 pps countdown (plus) time and 2 pps IRIG Format C will be placed on traces 5C and 60.</p> <p>d. Reference Traces: N/A.</p> <p>e. Data Channels: Five 32 bit words (10 bits) will be placed on 50 traces in bit order.</p>	

<p align="center"><b>DATA SUPPORT - GENERAL</b></p> <p align="center"><b>AFFOLLC/SATEN V SD - FLIGHT READINESS TEST</b></p>			
<p><b>6 TITLE</b></p> <p align="center"><b>7 NO.</b> 40002</p>		<p><b>4. PAGE NO.</b> 1200.2</p>	
<p><b>8.</b></p> <p><b>ITEM NO.</b></p> <p><b>TEST CODE</b></p>		<p><b>SD/RD ITEM NO.</b></p> <p><b>SD/RD PAGE NO.</b></p>	<p><b>DISCUSSION</b></p>
<p>1 PG (Contd)</p>		<p>1 JG</p> <p>RD 1200</p>	<p>f. Calibration: N/A</p> <p>g. Data: Single bit discretes placed in bit by bit order.</p>
			<p>4. General:</p> <ul style="list-style-type: none"> <li>a. The same telemetry channel should not be placed on more than one record or on more than one trace on a record.</li> <li>b. If PAM is not available the equivalent PCM channel will be provided.</li> <li>c. SC 4020 plots will use 600 points per plot.</li> <li>d. Information only. Relative to recording request ground rules.</li> <li>e. Information only. Relative to special trouble shooting submitted, KSC Form 22-129</li> <li>f. Information only. Relative to Telemetry Format Annex listed on applicable RD 050.1 page.</li> <li>g. Information only. Relative to Oscilloscope Records S-IC</li> </ul>
		<p>2 PG</p> <p>RD 1200.1</p>	<p>a. Records TA-003, TA-004, and TA-005 will be supplied as requested.</p> <p>b. Records TA-006, TA-008 thru TA-018 will be supplied as requested. However, the recorder speed will be 0.25 in/sec instead of 0.4 in/sec.</p> <p>c. Records TA-037, TA-500, and TA-501 are special records and will be supplied as requested on a non interference basis with station operations.</p>
		<p>3 PG</p> <p>RD 1200.1</p>	<p><u>Strip Charts</u></p> <p>a. Record TA-027 will be supplied at a recorder speed of 5 mm/sec.</p> <p>b. Recore H9A003, H9A004, H9Z005 thru H9Z022 will be supplied at a recorder speed of 5 mm/sec.</p>

## 1. CLASSIFICATION (IF ANY)

DATA SUPPORT - GENERAL		2. DATE September 22, 1967		4. PAGE NO. 1200.3
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		3. REVISION NO. 0		5. REPLACES PAGE(S) 0
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST
				7. NO. 40002
				8. TEST CODE DISCUSSION
4 PG	501 & Up	4 JG	RD 1200.1	LCC Data Evaluation will be provided for display of all data.
5 PG		5 JG	RD 1200.1	SC 4020 plots and engineering unit printcuts of A-504 thru A-565 and A-576 thru A-586 will be provided.
6 PG		6 JG	RD 1200.1 PSRD 3402.15	Digital printout of S-IC airborne bilevel discretes will be provided.
7 PG	H3	7 JG	RD 1200.1	English language computer dump of S-IC discretes from DEE 6 will be provided.
8 PG		8 JG	RD 1200.2	CRT display and strip chart recorders will be provided in CIF 307.
9 PG		9 JG	RD 1200.2	Magnetic tape recording will be made as requested.
10 PG		10 JG	RD 1200.2	<u>Airborne Tape Recorder Playback</u>
				a. TA-003 and TA-004 will be supplied at a recorder speed of 0.4 in/sec.
				b. TA-006 thru TA-018 will be supplied as requested at a recorder speed of 0.25 in/sec.
				c. TA-019 thru TA-034, TA-037, TA-039 thru TA-064 and TA-097 will be supplied at a recorder speed of 5 mm/sec.
11 PG		11 JG	RD 1200.2	Signal strength records will be made as requested.
12 PG		12 JG	RD 1200.3	<u>General Comments</u>
				a. thru d. Reference item 1 PG page 1200.
				e. Information only relative to obtaining exact start and stop time of any dat requested.
				f. Information only relative to special trouble shooting requests submitted, KSC Form 22-125.

## 1. CLASSIFICATION (IF ANY)

				2. DATE	4. PAGE NO.
		September 22, 1967			
		3. REVISION NO.	5. REPLACES PAGE(S)		
		0	0		
6. TITLE	7. NO.	8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD/RD PAGE NO.
Apollo/Saturn V SD-Flight Readiness Test	40002				
					DISCUSSION
12 PG (Contd) 13 PG	501 & Up	12 JG 13 JG	RD 1200.3 RD 1200.4	11. 12.	g. Information only.  a. Records TC-001 thru TC-004 will be provided at a recorder speed of 0.4in/sec instead of 0.25 in/sec and IRIG C (2 pps) timing instead of 1 ppm IRIG D.  b. Records TC-001 thru TC-003 from the onboard tape recorder playback will be provided at a recorder speed of 0.4 in/sec instead of 1.0 in/sec.
14 PG	PG	14 JG	RD 1200.4 RD 1200.5	11. 12.	Strip Charts  a. 1. Records TC-005 thru TC-065 and TC-127 thru TC-133 will be provided at a recorder speed of 2 mm/sec. 2. Records TC-066, TC-067, TC-069, TC-070, TC-071, TC-086 thru TC-091 and TC-131 thru TC-133 will be provided at a recorder speed of 2 mm/sec.  b. Records TC-008, TC-020 and TC-021 will be provided at a recorder speed of 5 mm/sec.  c. Records TC-080, TC-093, and TC-130 will be provided as special records if they are not run in real time in Room 307.  d. Records TC-010, TC-020 and TC-021 will be provided at a recorder speed of 10 mm/sec.
15 PG	PG	15 JG	RD 1200.5 RD 100.6 RD 1200.6 RD 3402.15 RD 1200.6	11. 12.	SC 4020 plots of all S-IVB measurements will be provided.
16 PG	PG	16 JG PEX 17 JG	RD 1200.6 A discrete printout of bilevel S-IVB event measurements will be provided. English language DEE-6 dump of S-IVB discretes will be provided.	11. 12.	
17 PG	PG	18 JG	RD 1200.6	11. 12.	LCC Data Evaluation Rooms will be provided.
18 PG	PG				

## 1. CLASSIFICATION (IF ANY)

				2 DATE September 22, 1967	4 PAGE NO. 1200.5
				3 REVISION NO. 0	5 REPLACES PAGE(S) 0
				6 TITLE SATELLITE V. SD FLIGHT READINESS TEST	7 NO. 400002
				DISCUSSION	
ITEM NO.	TEST CODE	SD/RD ITEM NO.	SD/RD PAGE NO.		
21	25 501 & UP	19 JG	RD 1200.6	CRT display for S-IVB will be provided. Recorders C1, C4, and C5 will be provided. Sync. Switching will be accomplished 30 minutes prior to CIF participation in test.  Records TC-138 thru TC-140 will be displayed in real time in CIF Room 291.	
22	25	20 JG	RD 1200.6	<u>General Comments</u>  a. Reference item 1 PG page 1200.  b. SC 4020 plots will be marked with telemetry channels and measurement numbers.  c. For information only relative to data list in the applicable RD on SD page 050.1.  d. For information only relative to special trouble shooting requests on KSC Form 22-129.	
22	25	21 JG	RD 1200.7		
22	25	22 JG	RD 1200.7	<u>General Comments</u>  a. Group A records - Oscillograph  1. Records TD-001 thru TD-016 and TD-020 thru TD-028 will be provided as requested.  b. Group B records - Event Recordings  1. Records TD-017 thru TD-19 will be provided as requested.  2. Record TD-038 is a special record and will be provided on a non-interference basis with station operations.  c. Group C records - Strip Charts  1. Records TD-033 thru TD-037 will be provided as requested.  2. Records TD-029 thru TD-032 will be provided as special records on a non-interference basis with station operations.	

## 1. CLASSIFICATION (IF ANY) \_\_\_\_\_

				2. DATE September 22, 1967	4. PAGE NO. 1200.6
				3. REVISION NO. 0	5. REPLACES PAGE(S)
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				7. NO. 400002	DATED:
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	DISCUSSION	
23 PG	501 & Up	23 JG	RD 1200.7	Group C records TD-036 will not be supplied under this item. They will be supplied as special records under item 22 and the time span will be an addition to these records.	
24 PG		24 JG	RD 1200.8	Group F records are not a telemetry requirement and will not be supplied.	
25 PG		25 JG	RD 1200.8	Group G: If equivalent data are not supplied on other records, Group G will be supplied as Special Records on a non-interference basis with station operations.	
26 PG		26 JG	RD 1200.8	Event record (GroupB) TD-038 is a Special Record and will be provided on a non-interference basis with station operations.	
27 PG		27 JG	RD 1200.8	Computer tabulations of Group D in engineering units will be provided.	
28 PG		28 JG	RD 1200.8	Computer tabulations of Group D in voltage will be provided.	
29 PG		29 JG	RD 1200.8	Computer tabulation of Group F will be provided.	
30 PG		30 JG	RD 1200.9	A voltage printout of Group D will be provided.	
31 PG		31 JG	RD 1200.9	Computer tabulation of error messages will be provided.	
32 PG		32 JG	RD 1200.9	Computer tabulation of Group G will be provided.	
33 PG		33 JG	RD 1200.9	SC 4020 Plots	
				a. SC 4020 Plots of Group D in engineering units will be provided.	
				b. SC 4020 Plots (GPLT) will be provided.	
				c. SC 4020 Plots of Group E in engineering units will be provided.	

## 1. CLASSIFICATION (IF ANY)

		2. DATE September 22, 1967		4. PAGE NO. 1200.7
		3. REVISION NO. 0		5. REPLACES PAGE(S)
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO. 400002		8. DATED:
ITEM NO.	TEST CODE	SD/RD ITEM NO.	SD/RD PAGE NO.	DISCUSSION
34 PG	501 & Up	34 JG	RD 1200.9	LVDC-2 real time guidance will be provided.
35 PG		35 JG	RD 1200.10	Computer printout of DEE-6 alphanumeric tape will be provided.
36 PG		36 JG	RD 1200.10	Flight Computer Sector dump will be provided.
37 PG		37 JG	RD 1200.10	Octal dump H60-603 will be provided if requested.
38 PG		38 JG	RD 1200.10	a. CRT display in CIF 307 will be provided. b. Group H records will be provided in the CIF Ground Station in accordance with preliminary information received from IBM.
39 PG		39 JG	RD 1200.10	a. Magnetic tape recording of IN telemetry links will be made. b. CIF antenna site will record S-Band Link DP-1A on magnetic tape.
40 PG		40 JG	RD 1200.11	a. Reference Item 39 QJ, SD page 127.3 b. Reference Item 40 QJ, SD page 127.3
41 PG		41 JG	RD 1200.11	
42 PG		42 JG	RD 1200.11	
43 PG		43 JG	RD 1200.12	<u>General Comments</u>
		44 JG	RD 1200.13	a., b., and c. See item 1 PG page 1200.
45 PG		45 JG	RD 1200.13	Oscilloscope records TB-027 thru TB-029, TB-123 and TB-124 will be provided at a recorder speed of 0.4 in/sec.

## 1. CLASSIFICATION (IF ANY)

DATE		2. DATE	September 22, 1967	4. PAGE NO.	1200.8
6. TITLE	APOLLO/SATURN V SD-FLIGHT READINESS TEST	3. REVISION NO.	0	5. REPLACES PAGE(S)	
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. DATED:	
44 PG	501 & Up	46 JG	RD 1200.13	DISCUSSION	
45 PG					<u>8-Channel Strip Charts</u>
46 PG					a. TB-001 thru TB-026 and TB-030 thru TB-107 will be supplied at a recorder speed of 2 mm/sec.
47 PG					b. H9B001 thru H9B007 will be supplied at a recorder speed of 2 mm/sec.
48 PG					Event Records TB-108 thru TB-113 will be supplied at a recorder speed of 2.5 mm/sec.
49 PG					Magnetic tape recording will be made as requested.
50 PG					LCC Data Evaluation Room will be provided.
51 PG					Tabulation and 4020 plots of B-001 thru B-647 and HBO01 thru HBO54 will be provided.
52 PG					Printout of all S-II bilevel measurements will be provided.
53 PG					English language dump of S-II discretes from the DEE-6 will be provided.
54 PG					See 1780 pages for F&E measurements.
55 PG					Recorder formats 1, 2, and 3 will be provided in real time in CIF 307.
56 PG					Signal strength records of CIF receivers will be provided.
57 PG					CRT display for KSC flight support controllers will be provided.
58 PG					LWDC Status Data Display panel will be provided.
59 PG					Audio tape playback machines will be provided.
58 PG		1 ZG	EZ 1200.15		See page 2210 for response.
59 PG		2 ZG	EZ 1200.16		See page 125 for response.
					Information only. Telemetry support for CSM Computer processed data.

## 1. CLASSIFICATION (IF ANY)

				2. DATE September 22, 1967	4. PAGE NO. 1200.9														
				3. REVISION NO. 0	5. REPLACES PAGE(S)														
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				7. NO. 40002	8. DATED:														
<table border="1"> <thead> <tr> <th colspan="4">DISCUSSION</th> </tr> <tr> <th>ITEM NO.</th> <th>TEST CODE</th> <th>SD/RD ITEM NO.</th> <th>SD/RD PAGE NO.</th> </tr> </thead> <tbody> <tr> <td>60 PG</td> <td>501 &amp; Up</td> <td>T1 PECK</td> <td>PSRD 3402.1.1</td> <td colspan="2"> <p>Launch vehicle and spacecraft telemetry links shall be received, recorded, decommutated, formatted and transmitted to MCC-H via HS data lines from MIL and via ALDS (40.8 lines) from KSC/CIF using mission operational computer programs.</p> <p>Launch vehicle TM readouts from MSC (CIF Room 307) Network Propulsion, and G and N consoles will be provided.</p> <p>Five monitor readouts (as specified in the Data Acquisition Plan, (Annex A) from MIL USB and CIF/Data Core will be provided.</p> <p>Magnetic tape recording of all operational telemetry links for subsequent playback will be provided at CIF and MIL.</p> </td> </tr> </tbody> </table>						DISCUSSION				ITEM NO.	TEST CODE	SD/RD ITEM NO.	SD/RD PAGE NO.	60 PG	501 & Up	T1 PECK	PSRD 3402.1.1	<p>Launch vehicle and spacecraft telemetry links shall be received, recorded, decommutated, formatted and transmitted to MCC-H via HS data lines from MIL and via ALDS (40.8 lines) from KSC/CIF using mission operational computer programs.</p> <p>Launch vehicle TM readouts from MSC (CIF Room 307) Network Propulsion, and G and N consoles will be provided.</p> <p>Five monitor readouts (as specified in the Data Acquisition Plan, (Annex A) from MIL USB and CIF/Data Core will be provided.</p> <p>Magnetic tape recording of all operational telemetry links for subsequent playback will be provided at CIF and MIL.</p>	
DISCUSSION																			
ITEM NO.	TEST CODE	SD/RD ITEM NO.	SD/RD PAGE NO.																
60 PG	501 & Up	T1 PECK	PSRD 3402.1.1	<p>Launch vehicle and spacecraft telemetry links shall be received, recorded, decommutated, formatted and transmitted to MCC-H via HS data lines from MIL and via ALDS (40.8 lines) from KSC/CIF using mission operational computer programs.</p> <p>Launch vehicle TM readouts from MSC (CIF Room 307) Network Propulsion, and G and N consoles will be provided.</p> <p>Five monitor readouts (as specified in the Data Acquisition Plan, (Annex A) from MIL USB and CIF/Data Core will be provided.</p> <p>Magnetic tape recording of all operational telemetry links for subsequent playback will be provided at CIF and MIL.</p>															

## 1. CLASSIFICATION (IF ANY)

COMMAND CONTROL - FUNCTIONS			
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		2. DATE September 22, 1967	4. PAGE NO. 1300
		3. REVISION NO. 0	5. REPLACES PAGE(S)
6. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	7. NO. 400002
DISCUSSION			
1 NC	501 & Up	T1 PEGKD 1 KG	PSRD 3402.2.1 RD 1300
2 NC		1. HD	RD 1300.1
<p>1. Apollo/Saturn V SD-Flight Readiness Test</p> <p>2. SD RD PAGE NO.</p> <p>3. PSRD 3402.2.1 RD 1300</p> <p>4. Abort Advisory System Events - The LC 39 Abort System is in the design/engineering stage. Critical wire pairs will be provided when this is completed, the abort installed and circuits engineered.</p>			

A/G GROUND COMMUNICATIONS - GROUND SUPPORT INSTRUMENTATION - GENERAL				4. PAGE NO.	1400		
APOLLO/SATURN V SD-FLIGHT READINESS TEST				2. DATE	September 22, 1967		
				3. REVISION NO.	0		
				5. REPLACES PAGE(S)			
				DATED:			
6. ITEM NO.	7. TEST CODE	8. SD RD ITEM NO.	9. SD RD PAGE NO.	10. SD RD PAGE NO.	11. SD RD PAGE NO.	12. SD RD PAGE NO.	DISCUSSION
1 NC	501 & Up	1 KG	RD 1400	This item is responded by Item 1 NC, SD page 125.			

## 1. CLASSIFICATION (IF ANY)

COMPOSITE SYSTEMS - GROUND SUPPORT INSTRUMENTATION - GENERAL				2. DATE September 22, 1967	4. PAGE NO. 1600
				3. REVISION NO. 0	5. REPLACES PAGE(S)
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST	7. NO. 400002
				DATED:	
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12.	DISCUSSION
1 NC	5Q1 Up	1 KG 2 KG	RD 1600 RD 1600	These items are responded to on SD page 125.	

## 1. CLASSIFICATION (IF ANY)

SPECIAL DATA SUPPORT				2. DATE September 22, 1967	4. PAGE NO. 1780
				3. REVISION NO. 0	5. REPLACES PAGE(S)
APOLLO/SATURN V SD - FLIGHT READINESS TEST				7. NO. 40002	DATED:
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	DISCUSSION	
1 PG	501 & Up	1 JG	RD 1780.1	2C43	Press, air S-II aft comp 0/5 psig SC/DIG
2 PG		2 JG	RD 1780.1	2C44	Press, air S-II aft elect comp 0/5 psig SC/DIG
3 PG		3 JG	RD 1780.1	2C45	Press, air S-II fwd comp 0/5 psig SC/DIG
4 PG		4 JG thru 6 JG	RD 1780.1	Deleted by requester.	
5 PG		7 JG	RD 1780.1	12C08	Temp, air S-II aft comp 14" duct 0/300°F MP
6 PG		8 JG	RD 1780.1	12K01	See page 126 for response.

## 1. CLASSIFICATION (IF ANY)

GROUND COMMUNICATIONS - GENERAL				2. DATE September 22, 1967	4. PAGE NO. 2000
				3. REVISION NO. 0	5. REPLACES PAGE(S)
APOLLO/SATURN V SD-FLIGHT READINESS TEST				7. NO. 40002	8. DATED:
ITEM NO.	TEST CODE	SD RD ITEM NO.	SD RD PAGE NO.	DISCUSSION	
1 QJ	501 & Up	1 HD - 4 HD 3 HD - 5 HD 11 HD	RD 2000 - RD 2000.3 RD 2020.2- RD 2020.4 RD 2050.26	These pages are all general information and will not be responded to in the communications section of this SD unless further defined on applicable pages of the RD.	
2 QJ		5 HD - 8 HD	RD 2000.4- RD 2000.7	The LC-39 Abort System is in the design/engineering stage. When this is completed, abort panels installed and circuits engineered, critical wire pairs will be provided (reference Item 3 QJ, SD page 127).	
		1 HD - 2 HD 6 HD - 7 HD	RD 2020 RD 2020.1 RD 2020.5 RD 2020.6		
		12 HD-22 HD	RD 2050.24 RD 2050.26		
		2 HD - 6 HD	RD 2055.1 RD 2055.2		
3 QJ		12 JG	RD 2015.18.2	Reference Item 38 QJ, SD page 127.3.	
4 QJ		3 HD - 4 HD	RD 2040.9.1	Reference Item 33 QJ, SD page 127.3.	

## COMMUNICATIONS SUPPORT - GENERAL

2. DATE

4. PAGE NO.

September 22, 1967

2020

3. REVISION NO.

0

5. REPLACES PAGE(S)

## APOLLO/SATURN V SD - FLIGHT READINESS TEST

7 NO.  
40002

8. ITEM NO. 9. TEST CODE 10. SD/RD ITEM NO. 11. SD/RD PAGE NO. 12.

1 QJ 501 &amp; Up

18 HD RD 2040.9.4

## DISCUSSION

111	121	131	141	151	161	171	181	191	201	211	221	231	241	251	261
TEST SUPPL.	L/V TEST COND.	I/U OPS ENCL.	I/U OPS ENCL.	S-IVB OPS ENCL.	S-IC OPS ENCL.	CHIEF S/C TEST COND.	CSD PAD LEADER	I/U PAD LEADER	CSA COOP	CSA COOP	INST. COOP	INST. COOP	INST. COOP	INST. COOP	INST. COOP
112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262
TEST SUPPORT CONTROLLER ENVIRON. MEAS.	FACILITY LAUNCHER	S/PNEU. EC3	I/U MECH. A. OAD.	S-IVB MECH. A. OAD.	S-IC MECH. A. OAD.	STC CSM (ACE-CM) (NAA)	CSA INP TEST ENCL.	I/U TEST ENCL.	CSA COOP	I/U COOP	S/P MEAS.				
113	123	133	143	153	163	173	183	193	203	213	223	233	243	253	263
OXY CONTROL	L/V FLIGHT CONTROL	I/U FUEL	I/U FLIGHT COMP.	S-IVB PROP.	S-IC PROP.	CSA INST. EPS	CSA INST. EPS	I/U EPS	I/U EPS	I/U EPS	I/U EPS	I/U EPS	I/U EPS	I/U EPS	I/U EPS
114	124	134	144	154	164	174	184	194	204	214	224	234	244	254	264
L/V STAB. & ELEC. LATING	L/V PROP. ELEC.	I/U ELEC. (STAGE)	S-IVB ELEC. (STAGE)	S-IC ELEC. (STAGE)	S-IC ELEC. (STAGE)	CSA P/C CARD	CSA P/C CARD	CSA TROUBLE SHOOT-INC							
115	125	135	145	155	165	175	185	195	205	215	225	235	245	255	265
CHARTER OPS	L/V TROUBLE SHOOT-INC	I/U DDAS	I/U DDAS	S-IVB GND. ELEC. COMP.	S-IVB GND. ELEC. COMP.	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N	CSA G&N
116	126	136	146	156	166	176	186	196	206	216	226	236	246	256	266
S-IC MEAS.	S-IVB MEAS.	I/U MEAS.	I/U MEAS.	S-IVB TN	S-IVB TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN	S-IC TN
117	127	137	147	157	167	177	187	197	207	217	227	237	247	257	267
OTS CONTROL ELEC.	L/V INST. TROUBLE SHOOTING	CYDPA N CLOCK DEE 1	I/U R. F.	L/V INST. TROUBLE SHOOTING	I/U R. F.	S-IC AP	S-IC AP	CSA ECIS (LIFE SUPP.)							
118	128	138	148	158	168	178	188	198	208	218	228	238	248	258	268
S-IC MEAS.	S-IVB MEAS.	I/U MEAS.	I/U MEAS.	S-IVB MEAS.	S-IVB MEAS.	PAGING	PAGING	I/U AC2							

## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - GENERAL

2. DATE September 22, 1967

4. PAGE NO. 2020.1

5. REPLACES PAGE (S)

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST

8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.

NET NUMBER  
AND  
FUNCTION OR NAME

KSC NO./ NAME

CDSC REMOTE DISTRIBUTION VIA  
KSC 304 SWITCHAdditional  
Information2 QJ 501  
&  
Up

2ICM084 RSO Net (ETH)

2ICM238

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2IP046

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Goor.

(CIF)

2MPB073

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LV

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Test

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2ICM262

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September 22, 1967

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<sup>E</sup>APOLLO/SATURN V SD-FLIGHT READINESS TEST

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1 QJ	501 & Up	3 JG 3 PG 1 KG - 10 KG 2 KG	RD 2040.11 RD 2040.5 RD 2040 RD 2050.2	<p>The Complex 39 RF OIS systems will be committed as installed in the indicated areas, which shall be interconnected via a mission amplifier in the CCR. Such commitment covers only the end instrument(s), active or monitor headset jack(s), or any other type RF OIS equipment installed, and does not ensure complete channel selection capability or end instrument control in each area, room, level, console or racks indicated. Channelization will be in accordance with DIO assignment chart on page 2020 of this SD.</p> <table border="1"> <thead> <tr> <th>LCC</th> <th>MSOB</th> <th>VAB</th> <th>ML</th> <th>PAD</th> <th>VEHICLE</th> </tr> </thead> <tbody> <tr> <td>Room 2P10</td> <td>Rooms 3412</td> <td>Rooms 3E17</td> <td>Rooms 2A</td> <td>PTCR Room 210</td> <td>IU (4 Portable units)</td> </tr> <tr> <td>2P10A(TCE)</td> <td>3416</td> <td>15E14</td> <td>7A</td> <td>Room 205</td> <td></td> </tr> <tr> <td>2R9</td> <td>3430</td> <td>15E21</td> <td>8A</td> <td>AZ alignment Bldg.</td> <td></td> </tr> <tr> <td>3P15</td> <td>3436</td> <td>16E15</td> <td>10A</td> <td></td> <td></td> </tr> <tr> <td>3P17</td> <td>3446</td> <td>22E19</td> <td>13A</td> <td></td> <td></td> </tr> <tr> <td>2P25</td> <td>3463</td> <td>25E12</td> <td>15A</td> <td></td> <td></td> </tr> <tr> <td></td> <td>4432</td> <td>25E14</td> <td>1B</td> <td></td> <td></td> </tr> <tr> <td>F/R Area A,</td> <td>4440</td> <td>25E15A</td> <td>7B</td> <td></td> <td></td> </tr> <tr> <td>Area A,</td> <td>4452</td> <td>26E7</td> <td>15B</td> <td></td> <td></td> </tr> <tr> <td>Area A,</td> <td>2456</td> <td>27E6</td> <td>11AB</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row A</td> <td>27E7</td> <td>Umbilical arms 3,</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row A</td> <td>27E15</td> <td>4, 5 (1 portable unit at the tips</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row B</td> <td></td> <td>and 2 each units</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row C</td> <td></td> <td>at S-II and S-IVB</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row D</td> <td></td> <td>forward and 2<sup>nd</sup> interstages).</td> <td></td> <td></td> </tr> <tr> <td>Area B,</td> <td>Row E</td> <td></td> <td>S-IC engine area</td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row B</td> <td></td> <td>(4 portables).</td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row C</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row D</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row E</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row F</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row G</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area C,</td> <td>Row H</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(reference Item 2 QJ, SD page 126) Deleted by requester.</p>		LCC	MSOB	VAB	ML	PAD	VEHICLE	Room 2P10	Rooms 3412	Rooms 3E17	Rooms 2A	PTCR Room 210	IU (4 Portable units)	2P10A(TCE)	3416	15E14	7A	Room 205		2R9	3430	15E21	8A	AZ alignment Bldg.		3P15	3436	16E15	10A			3P17	3446	22E19	13A			2P25	3463	25E12	15A				4432	25E14	1B			F/R Area A,	4440	25E15A	7B			Area A,	4452	26E7	15B			Area A,	2456	27E6	11AB			Area B,	Row A	27E7	Umbilical arms 3,			Area B,	Row A	27E15	4, 5 (1 portable unit at the tips			Area B,	Row B		and 2 each units			Area B,	Row C		at S-II and S-IVB			Area B,	Row D		forward and 2 <sup>nd</sup> interstages).			Area B,	Row E		S-IC engine area			Area C,	Row B		(4 portables).			Area C,	Row C					Area C,	Row D					Area C,	Row E					Area C,	Row F					Area C,	Row G					Area C,	Row H				
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2 QJ	11 KG	RD 2040																																																																																																																																																			

## 1. CLASSIFICATION (IF ANY)



## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS TC Unit Auxiliary Line Assignment - AA5

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		2. DATE September 22, 1967		4. PAGE NO. 2040.4
		3. REVISION NO.		5. REPLACES PAGE (S)
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	7. NO. 400002
NET NUMBER AND FUNCTION OR NAME				
*				
8101112131415161718				
2BPM263 - ID/MSE Conference				
2BPM116 - ID/TVO Conference				
2BPM118 - ID/SCC Conference				
2BPM 205 - Point to Point AC 15				
2BPM 260 - ID/PAO Conference				
2BPM 261 - ID/WX Conference				
2ICM-233 - Mission Director				
- ISR Hardline				
- ISR Net UHF				
2PAB005 - TV Audio				
2ICCO62 - Flight Director				
2PAB035 - Goss Conference				
2ICB095 - LVO Staff				
2ICB060 - DLO Staff				
= Abort Voice Loop				
2ICM264 - Channel 111				
2ICM263 - Channel 121				
2ICM265 - Channel 122				
2ICM266 - Channel 111				
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STATION OR LOCATION				
A C				
1 2 3 4 5 6 7 8				
9 10 11 12 13 14 15 16				
17 18				
LCC 39 FR, Console AA5				
Deputy Launch Director				
RD 2040.9.1				
RD 2040.9.2				
RD 2040.9.3				
RD 2050.20				
RD 2050.21				
(reference Item 15 QJ, SD page 127.1)				
(reference Item 9 QJ, SD page 127).				
RD 2020.2				
(reference Item 11 QJ, SD page 127.1)				
(reference Item 12 QJ, SD page 127.1)				
(reference Item 38 QJ, SD page 127.3)				

\*Numbers 1-18 indicate audio button terminations.

### 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS TC Unit Auxiliary Line Assignments - AA6

\*Numbers 1-18 indicate audio button terminations.



## I. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS TC Unit Auxiliary Line Assignments - AAB

September 22, 1961  
REVISION NO. 1

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## ELLO/SATURN V SD-FLIGHT READINESS TEST

8.	ITEM NO.	9.	TEST CODE	10.	SD/RD ITEM NO.	11.	SD/RD PAGE NO.
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DATE:

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		STATION OR LOCATION	
3	HD	RD 2020.2	LCC 39 FR, Console AAB
3	HD	RD 2050.20	Director Spacecraft Operations
17	KG	RD 2050.8	(reference Item 7 QJ, SD page 127)

\*Numbers 1-18 indicate audio button terminations.

CLASSIFICATION

### I. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - CIS TC Unit Auxiliary Line Assignments AA-10

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST						7. No. 40002
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD RD PAGE NO.	NET NUMBER AND FUNCTION OR NAME		
				A	C	1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 8
7 QJ	501	3 HD	RD 2020.2	STATION OR LOCATION LCC 39 FR, Console AA-10		
						(reference Item 38 QJ, SD page 127.3)
						*Numbers 1-18 indicate audio button terminations.
						DATED:

\*Numbers 1-18 indicate audio button terminations.

## 11. CLASSIFICATION IF ANY



## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS TC Unit Auxiliary Line Assignments - AB<sub>4</sub>

6. TITLE APOLLO/SATELLITE SD-FLIGHT READINESS TEST		7. NO. 40002		4. PAGE NO. 2040 .10
8. ITEM NO.		9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.
NET NUMBER AND FUNCTION OR NAME				
*				
STATION OR LOCATION				
501	1	HD - 2	RD 2040.9.1	LCC 39 FR, Console AB <sub>4</sub>
9	QJ	8	RD 2040.9.2	Test Supervisor
13	HD	13	RD 2040.9.3	(reference Item 3 QJ, SD page 127)
6	HD	6	RD 2050.21	(reference Item 9 QJ, SD page 127)
7	HD	7	RD 2050.22	(reference Item 11 QJ, SD page 127.1)
4	HD	4	RD 2020.3	(reference Item 15 QJ, SD page 127.1)
				(reference Item 12 QJ, SD page 127.1)
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*Numbers 1-15 indicate button terminations.				

\*ALL CALL BUTTON

DATED:

5. REPLACES PAGE (S)

4. PAGE NO.

2. DATE  
September 22, 1967

3. REVISION NO.

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#### 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS TC Unit Auxiliary Line Assignments - AB7

September 22, 1981

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6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST

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COMMUNICATIONS SUPPORT - OIS      TC Auxiliary Button Assignments - AD13				4. PAGE NO. 2040.14
2. DATE September 22, 1967				5. REPLACES PAGE (S)
3. REVISION NO. 0				
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				7. NO. 40002
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	
				NET NUMBER AND FUNCTION OR NAME
				STATION OR LOCATION
				A C 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
				ICC 39 FR, Console AD 13 Test Support Controller
				(reference Item 8 QJ, SD page 127)
				RD 2040.4
				13 QJ 501 & Up
				1 10

\*Numbers 1-18 indicate button terminations.

## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - OIS

6. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST4. PAGE NO.  
2040 .155. REPLACES PAGE (S)  
02. DATE  
September 22, 19673. REVISION NO.  
06. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST7. NO.  
400028. ITEM NO.  
ITEM NO.9. TEST CODE  
TEST CODE10. SD RD  
ITEM NO.11. SD RD  
PAGE NO.12. JG  
RD 2050.18.13. QJ  
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CLASSIFICATION OF ANNUALS

COMMUNICATIONS SUPPORT - OIS (CIF, Room 307)

COMMUNICATIONS SUPPORT - OIS (CIF, Room 307)

September 22, 1961 2040.17  
3. REVISION NO. 5. REPLACES PAGE (S)

APOLLO/SATURN V SD-FLIGHT READINESS TEST						7. NO.	40002
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.				DATED:
NET NUMBER AND FUNCTION OR NAME							
2ICM273 - Channel 161							
2ICM282 - Channel 162							
2ICM283 - Channel 163							
2ICM298 - Channel 164							
2ICM302 - Channel 165							
2ICM303 - Channel 172							
2ICM304 - Channel 173							
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2ICM306 - Channel 175							
2ICM307 - Channel 182							
2ICM308 - Channel 183							
2ICM309 - Channel 184							
2ICM310 - Channel 185							
2ICM311 - Channel 252							
2ICM312 - Channel 285							
2ICM313 - Channel 262							
2ICM314 - Channel 263							
2PAB035 - COSI 1							
2ICB095 - LVO Staff							
2ICM048 - GP58783 MSR NAV							
2ICM049 - GP58785 MSR PROP							
2ICM047 - GP58784 MSR NAV							
2ICM049 - GP58785 MSR Network							



COMMUNICATIONS SUPPORT - RADIO

CLASSIFICATION FAN

COMMUNICATIONS SUPPORT - POINT TO POINT PHONES							DISCUSSION		
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST				7. NO. 40002			8. ITEM NO.		
9. TEST CODE	10. SD/RD ITEM NO.	11. SD RD PAGE NO.	12.	CIRCUIT #			FROM	TO	
1. <del>SECRET</del>	501 & Up	8 PG	RD 2050.3	2BPM167	Guard Gate, CIF Antenna Site Rd.			CIF Antenna Site	
2. <del>SECRET</del>		17 PG	RD 2050.13	2BPM241 2BPM242	LCC 39, FR Console AD11			CIF Room 291, Mod 1 CIF Room 291, Mod 2	
3. <del>SECRET</del>		20 PG	RD 2050.13	2BPM066	CIF, Room 205			CIF Room 291, Mod 1	
4. <del>SECRET</del>		23 PG	RD 2050.14	2BPM182	TEL IV Coordination			CIF Room 291, Mod 1	
5. <del>SECRET</del>		24 PG	RD 2050.14	2BPM119 2BPM134	USB Site			CIF Room 291, Mod 1 CIF Room 297, Mod 3 & 4	
6. <del>SECRET</del>		25 PG	RD 2050.14	2BPM065	CIF, Room 177, Aids			CIF Room 297, Mod 3 & 4	
7. <del>SECRET</del>		26 PG	RD 2050.15	2BPM014	CIF, Room 177, Lief			CIF Room 297, Mod 3 & 4	
8. <del>SECRET</del>		27 PG	RD 2050.15	2BPM017 2BPM029 2BPM036	CIF, Room 307			CIF Room 291, Mod 1 CIF Room 291, Mod 2 CIF Room 297, Mod 3	
9. <del>SECRET</del>		28 PG	RD 2050.15	2BPM076	CIF, Room 297, Mod 3 & 4			CIF Room 291, Mod 1	
10. <del>SECRET</del>		30 PG	RD 2050.15	2BPM052	CIF, Room 205			CIF Room 291, Comm.	

## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - POINT TO POINT PHONES  
 5. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST

COMMUNICATIONS SUPPORT - POINT TO POINT PHONES							4. PAGE NO.
5. REPLACES PAGE(S)							2. DATE
3. REVISION NO. 0							September 22, 1967
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. SD RD PAGE NO.	DISCUSSION		4. PAGE NO.
							2051.1
11 QJ	501 & UP	18 - 19 PG	RD 2050.13	2BPM188	CIRCUIT #		1. CIF, Room 291
12 QJ		11 PG	RD 2050.13	2BPM189	LCC 39 Room 2P10		2. CIF, Room 173
		17 PG	RD 2050.13	2BPM136	LCC 39 FR, Console AD11		3. CIF, Room 177
				2BPM137			4. CIF, Room 291, Mod 1, Rack 1
				2BPM141			5. CIF, Room 291, Mod 2, Rack 1
				2BPM142			6. CIF, Room 205
				2BPM145			7. CIF, Room 234 W/Ext.Rm 236
				2BPM146			8. CIF, Room 307
				2BPM150			9. CIF, Room 327
				2BPM157			10. CIF Antenna Site
				2BPM166			11. LCC, Rcom 2P20
				2BPM169			12. Complex 34
				2BPM181			13. Complex 37
				2BPPB248			14. CIF Room 205 (635 # 2)
				2BPPB097			
				2BPM067			
					ORR		
13 QJ	3 ED	PD 2020.2	2BPM263				
14 QJ	4 ED	PD 2020.3	2BPC106		SRO		
15 QJ	4 ED	PD 2020.3	2BPM115		USE		
16 QJ	4 ED	ED 2C2C.3	2BPM262		Umbilical Tower Elevator		

## 1. CLASSIFICATION (IF ANY)

						2. DATE September 22, 1967	4. PAGE NO. 2051.2																												
						3. REVISION NO. 0	5. REPLACES PAGE(S)																												
						6. TITLE <b>APOLLO/SATURN V SD - FLIGHT READINESS TEST</b>																													
						7. NO. <b>400002</b>																													
						8. ITEM NO.    9. TEST CODE    10. SD/RD ITEM NO.    11. SD/RD PAGE NO.    12. CIRCUIT #																													
						<table border="1"> <thead> <tr> <th colspan="2"><u>FROM</u></th> <th><u>TO</u></th> <th>DISCUSSION</th> </tr> </thead> <tbody> <tr> <td colspan="2">Weather Office</td> <td>LC-39 Console AA-5 button 13</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>LC-39 Console AA-6 button 14</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>LC-39 Console AB-4 button 15</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>LC-39 Console AB-7 button 15</td> <td></td> </tr> <tr> <td colspan="2">CIF Room 291</td> <td>CIF Room 291</td> <td></td> </tr> <tr> <td colspan="2">CIF Antenna Site</td> <td>CIF Room 291, Mod 1 and 2</td> <td></td> </tr> </tbody> </table>		<u>FROM</u>		<u>TO</u>	DISCUSSION	Weather Office		LC-39 Console AA-5 button 13				LC-39 Console AA-6 button 14				LC-39 Console AB-4 button 15				LC-39 Console AB-7 button 15		CIF Room 291		CIF Room 291		CIF Antenna Site		CIF Room 291, Mod 1 and 2	
<u>FROM</u>		<u>TO</u>	DISCUSSION																																
Weather Office		LC-39 Console AA-5 button 13																																	
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CIF Room 291		CIF Room 291																																	
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						21 PG	RD 2050.14    2BPM044																												
						22 PG	RD 2050.14    2BPM053 2BPM055																												

## 1. CLASSIFICATION (IF ANY)

2052

COMMUNICATIONS SUPPORT - TELEPHONE - OTHER

5. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST

4. PAGE NO.

2. DATE  
September 22, 1967

5. REPLACES PAGE (S)

3. REVISION NO.  
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6. NO.

7. NO.  
4000028. ITEM NO.  
501 & Up9. TEST CODE  
T45 T46

10. SD RD ITEM NO.

11. SD RD PAGE NO.

12. SD RD PAGE NO.

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## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - TELEPHONE - OTHER

September 22, 1967

4. PAGE NO.  
2052.3. REVISION NO.  
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5. REPLACES PAGE (SI)

6. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST7. NO.  
40002

8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.
NET NUMBER AND FUNCTION OR NAME			

STATION OR LOCATION		A	C
USB, M5-1494 (Term. Rack)		X	X X X X
ETR, SRO CKAFS, RCC		X	X X X X
MCC-H Test Super. Loop		X	X X X X
CIF Computer Room 205-231		X	X X X X
CIF Room 291		X	X X X X
(reference Item 14 QJ, SD page 127.1)		X	X X X X
CIF Room 234, 236		X	X X X X
PC		X	X X X X

### 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - TELEPHONE = OTHER

## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - TELEPHONE - OTHER

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO. 40002		4. PAGE NO. 2052.3	5. REPLACES PAGE (S)																																																																																																																
ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	2. DATE September 22, 1967	3. REVISION NO. 0																																																																																																																
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<table border="1"> <thead> <tr> <th colspan="2">STATION OR LOCATION</th> <th>A</th> <th>C</th> </tr> </thead> <tbody> <tr><td colspan="2">CDSCC Remote to Leased Line (304/758)</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CDSCC Comm. Control</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CDSCC Tech. Command</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CDSCC TVOC</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CKAFS Comm. Control</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CKAFS RTCF</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CKAFS TVOC</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CKAFS XY</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CKAFS Command Destruct</td><td>X</td><td>X</td></tr> <tr><td colspan="2">LCC 39 FR, OPS Mgmt Room</td><td>X</td><td>X</td></tr> <tr><td colspan="2">LCC 39 FR, Console AAB</td><td>X</td><td>X</td></tr> <tr><td colspan="2">LCC 39 FR, Console AC15</td><td>X</td><td>X</td></tr> <tr><td colspan="2">LCC 39 FR, Console AD14</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CIF ALDS Room 177</td><td>X</td><td>X</td></tr> <tr><td colspan="2">CIF TM STA Room 291</td><td>X</td><td>X</td></tr> <tr><td colspan="2">MSCB ALDS TV Console, Room 2194</td><td>X</td><td>X</td></tr> <tr><td colspan="2">USB M&amp;C Console</td><td>X</td><td>X</td></tr> <tr><td colspan="2">USB GCC Console</td><td>X</td><td>X</td></tr> <tr> <td colspan="2">PSRD 3402.4.3</td> <td>(reference Item 17 QJ, SD page 127.1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">PSRD 3402.4.4</td> <td>(reference Item 18 QJ, SD page 127.2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">PSRD 3402.4.4</td> <td>(reference Item 19 QJ, SD page 127.2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7 QJ</td> <td>-22 PEGKD</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8 QJ</td> <td>-21 PEGKD</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9 QJ</td> <td>-27 PEGK</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						STATION OR LOCATION		A	C	CDSCC Remote to Leased Line (304/758)		X	X	CDSCC Comm. Control		X	X	CDSCC Tech. Command		X	X	CDSCC TVOC		X	X	CKAFS Comm. Control		X	X	CKAFS RTCF		X	X	CKAFS TVOC		X	X	CKAFS XY		X	X	CKAFS Command Destruct		X	X	LCC 39 FR, OPS Mgmt Room		X	X	LCC 39 FR, Console AAB		X	X	LCC 39 FR, Console AC15		X	X	LCC 39 FR, Console AD14		X	X	CIF ALDS Room 177		X	X	CIF TM STA Room 291		X	X	MSCB ALDS TV Console, Room 2194		X	X	USB M&C Console		X	X	USB GCC Console		X	X	PSRD 3402.4.3		(reference Item 17 QJ, SD page 127.1)				PSRD 3402.4.4		(reference Item 18 QJ, SD page 127.2)				PSRD 3402.4.4		(reference Item 19 QJ, SD page 127.2)				7 QJ	-22 PEGKD					8 QJ	-21 PEGKD					9 QJ	-27 PEGK				
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## 1. CLASSIFICATION (IF ANY)

		2. DATE	4. PAGE NO.	
		September 22, 1967	2052.4	
		3. REVISION NO.	5. REPLACES PAGE(S)	
		0		
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO.		
8. ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	12.
10 QJ	501 & Up	1 PG	RD 2052	Administrative telephone will be provided. Technical contact, Wendell Roberts, 867-4064.
DISCUSSION				

## 1. CLASSIFICATION (IF ANY)

## 1. CLASSIFICATION (IF ANY)

COMMUNICATIONS SUPPORT - TELETYPE				2. DATE September 22, 1967	4. PAGE NO. 2053
				3. REVISION NO. 0	5. REPLACES PAGE(S) 0
				DATED: 	
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST				7. NO. 40002	
8. ITEM NO.				DISCUSSION	
9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	12.		
1 QJ	501	4 JG - 7 JG & Up	RD 2050.17	The NASA Communications Center in the VAB, Room 2M6 will be operated on a normal scheduled basis for the transmission and reception of Teletype and Data-Fax messages. Circuits NSC 7310 and 7315, plus the teletype to the KSC Communications Center will be required.	

## 1. CLASSIFICATION (IF ANY)

## COMMUNICATIONS SUPPORT - TELEVISION CAMERAS AND MONITORS

4. PAGE NO.	2. DATE
5. REPLACES PAGE(S)	September 22, 1967
3. REVISION NO.	0
6. TITLE	APOLLO/SATURN V SD-FLIGHT READINESS TEST

4. PAGE NO.	2. DATE
5. REPLACES PAGE(S)	September 22, 1967
3. REVISION NO.	0
6. TITLE	APOLLO/SATURN V SD-FLIGHT READINESS TEST

ITEM NO.	9. TEST CODE	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	12.	DISCUSSION
1 QU	501 & Up				<p>The Complex 39 OTV System will be committed as indicated on SD pages 2055.1 through 2055.6 based on the following reference drawings, equipment capabilities and constraints:</p> <ol style="list-style-type: none"> <li>All monitors, unless otherwise noted are connected to a switcher which has inputs from all cameras except number 37, 39, 41.</li> <li>Camera and monitor numbers and locations are as shown on NASA drawings 67 EDV 030 and 66 KMT 46310, on file at LC 39 Communications Engineering Office.</li> <li>Camera programming to local monitors may be requested by any customer via the RF OIS channel assigned for OTV Engineer (113), however, requests for Pan, Tilt or Zoom will only be honored from the respective customer Test Conductor, or his appointed designee.</li> <li>All committed camera coverage is predicated on the assumption that adequate lighting will be available as required.</li> <li>All committed camera coverage is made as an "operational capability" and is not committed for "pre-count" or "during countdown" times. Specific time periods must be stated by the requester in hours, any or minutes referenced to T-O time for each requirement before specific commitments can be made.</li> </ol>

## 1. CLASSIFICATION

COMMUNICATIONS SUPPORT - TELEVISION CAMERAS AND MONITORS

6. TITLE

APOLLO/SATURN V SD-FLIGHT READINESS TEST

8. ITEM NO.		9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12.	13. DISCUSSION	14. PAGE NO.	15. DATE	16. PAGE NO.
1 QJ	501 & Up	1 KG	1 KG	RD 2055.0	CAMERA LOCATION IDENTIFICATION #	CAMERA LOCATION SUBJECT/VIEWED FIELD OF VIEW	PERIOD	REMARKS.	
1 QJ		1 KG	RD 2055.0	Reference Item 34 QJ, SD page 127.3	Platform 4A at 120° GSE Spacecraft Hardline intervals	Duration of Test		To support compatibility	
2 QJ		2 KG	RD 2055.0	Camera #50	Platform 4A at 120° GSE Spacecraft Hardline faces	Duration of Test		To support compatibility	
3 QJ		3 KG	RD 2055.0	Camera #51	Platform 4A at 120° GSE Spacecraft Hardline intervals	Duration of Test		To support compatibility	
4 QJ		4 KG	RD 2055.0	Camera #52	Platform 4A at 120° GSE Spacecraft Hardline intervals	Duration of Test		To support compatibility	
5 QJ		5 KG	RD 2055.0	Camera #53	MSS Platform 4C Level 310' South and West	Duration of Test		To support compatibility	
6 QJ		6 KG	RD 2055.0	Camera #54	MSS Platform 4C Level 310' Adjacent faces to entrance door	Duration of Test		To support compatibility	
7 QJ		7 KG	RD 2055.0.1	Monitors 073/074 thru 1 TVN 244	GSE Spacecraft Hardline items 1-6	Duration of Test		*See SD page 2055.2	
8 QJ		8 KG	RD 2055.0.1	Monitors 075/076, 067/068	ICC 39 FR Consoles AC-11, 16, and AE-10	Duration of Test		*See SD page 2055.2	
9 QJ		9 KG	RD 2055.0.1	Reference Item 3 QJ, SD page 127	KSC MSC ACE Control TV Camera views outline in Items 1-6	Duration of Test			
10 QJ		10 KG	RD 2055.0.2	2 HD-5 HD	2 HD-2055.2	Duration of Test			

3. REVISION NO.

0

4. PAGE NO.

2055.1

5. REPLACES PAGE NO.

5

6. TITLE

APOLLO/SATURN V SD-FLIGHT READINESS TEST

7. NO.

40002

8. DATED.

Dated.

9. CLASSIFICATION

None

10. SUBJECT

None

11. DATE

September 22, 1967

12. PAGE NO.

5

13. REVISION NO.

0

14. PAGE NO.

2055.1

15. DATE

September 22, 1967

16. PAGE NO.

5

17. CLASSIFICATION

None

18. SUBJECT

None

19. DATE

None

20. PAGE NO.

None

21. CLASSIFICATION

None

22. SUBJECT

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23. DATE

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24. PAGE NO.

None

25. CLASSIFICATION

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26. SUBJECT

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27. DATE

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28. PAGE NO.

None

29. CLASSIFICATION

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30. SUBJECT

None

31. DATE

None

32. PAGE NO.

None

33. CLASSIFICATION

None

34. SUBJECT

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35. DATE

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36. PAGE NO.

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37. CLASSIFICATION

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38. SUBJECT

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39. DATE

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40. PAGE NO.

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41. CLASSIFICATION

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42. SUBJECT

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43. DATE

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44. PAGE NO.

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45. CLASSIFICATION

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46. SUBJECT

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47. DATE

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48. PAGE NO.

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49. CLASSIFICATION

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50. SUBJECT

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51. DATE

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52. PAGE NO.

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53. CLASSIFICATION

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54. SUBJECT

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55. DATE

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56. PAGE NO.

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57. CLASSIFICATION

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58. SUBJECT

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59. DATE

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60. PAGE NO.

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61. CLASSIFICATION

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65. CLASSIFICATION

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70. SUBJECT

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81. CLASSIFICATION

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83. DATE

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85. CLASSIFICATION

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87. DATE

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88. PAGE NO.

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89. CLASSIFICATION

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90. SUBJECT

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91. DATE

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92. PAGE NO.

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93. CLASSIFICATION

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94. SUBJECT

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95. DATE

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96. PAGE NO.

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97. CLASSIFICATION

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98. SUBJECT

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101. CLASSIFICATION

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105. CLASSIFICATION

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109. CLASSIFICATION

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116. PAGE NO.

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117. CLASSIFICATION

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121. CLASSIFICATION

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123. DATE

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124. PAGE NO.

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125. CLASSIFICATION

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126. SUBJECT

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127. DATE

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128. PAGE NO.

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129. CLASSIFICATION

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130. SUBJECT

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131. DATE

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132. PAGE NO.

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133. CLASSIFICATION

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134. SUBJECT

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135. DATE

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136. PAGE NO.

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137. CLASSIFICATION

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138. SUBJECT

None

139. DATE

None

140. PAGE NO.

None



## 1. CLASSIFICATION F ANY

COMMUNICATIONS SUPPORT - CTV CIRCUITS A2A			
6 TITLE	APOLLO/SATURN V SD-FLIGHT READINESS TEST		
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.
1 2c	501 & UP	1 HD-5	2E 2015.1 RD 2020.5
12. DISCUSSION			
Abort Advisory System - Middlebury CTY (reference Item 3 QJ, SD page 127).			
13. APPROVALS		14. PAGE NO.	15. DATE
		2056	September 22, 1971
		0	3. REVISION NO.
			4. PAGE NO.
			5. REPLACES PAGE S

## 1. CLASSIFICATION

COMMUNICATIONS SUPPORT - DATA CIRCUITS (A2A)

2. DATE  
September 22, 19674. PAGE NO.  
20573. REVISION NO.  
O5. REPLACES PAGE  
56. TITLE  
APOLLO/SATURN V SD-FLIGHT READINESS TEST7. NO.  
400002

DATED:

8. ITEM NO.	TEST CODE	9. SD RD ITEM NO.	10. SD RD PAGE NO.	11. SD RD PAGE NO.	12.	DISCUSSION		TO	FROM	USE
						10	TO			
1 QJ	50L & Up	1 KG	RD 2050.2	1 TVM 093	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	CSM DTCS Ext. (ACE)	CSM DTCS Ext. (ACE)
2 QJ		2 KG	RD 2050.2	1 TVM 094	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	CSM DTCS Ext. (ACE)	CSM DTCS Ext. (ACE)
3 QJ		3 KG	RD 2050.2	1 TVM 095	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	CSM Interleaver #1 DL	CSM Interleaver #1 DL
4 QJ		4 KG	RD 2050.2	1 TVM 097	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	CSM Interleaver #2 DL	CSM Interleaver #2 DL
5 QJ		5 KG	RD 2050.2	1 TVM 098	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	MSOB Rm 3436, Unit 245	CSM Interleaver #3 DL	CSM Interleaver #3 DL
6 QJ		6 KG	RD 2050.2	1 TVM 090	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	LC 39 Pad A, ML 300' TD 9060	LC 39 Pad A, ML 300' TD 9060	CSM DTCS Ext. UL (ACE)	CSM DTCS Ext. UL (ACE)
7 QJ		7 KG	RD 2050.2	1 TVM 091	MSOB Rm 3436, Unit 245	LC 39 Pad A, ML 300' TD 9060	LC 39 Pad A, ML 300' TD 9060	LC 39 Pad A, ML 300' TD 9060	CSM DTCS Ext. UL (ACE)	CSM DTCS Ext. UL (ACE)
8 QJ		8 KG	RD 2050.7	1 TVM 099	LC 39, ML CM	M	LC 39, ML CM	LC 39, ML CM	CM/FM/FM	CM/FM/FM
9 QJ		9 KG	RD 2050.7	1 TVM 100	LC 39, ML SM	M	LC 39, ML SM	LC 39, ML SM	SM/FM/FM	SM/FM/FM
10 QJ		10 KG	RD 2050.7	1 TVM 081	LC 39, Firing Room #1	MSOB Rm 3436, Unit 245	LC 39, Firing Room #1	LC 39, Firing Room #1	BH/AN Display DL	BH/AN Display DL
11 QJ		11 KG	RD 2050.7	1 TVM 080	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	LC 39 Firing Room #1	BH/AN Display UL	BH/AN Display UL
12 QJ		12 KG	RD 2050.8	1 TVM 082	LC 39 Firing Room #1	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	SC/LW CICA UL	SC/LW CICA UL
13 QJ		13 KG	RD 2050.8	1 TVM 083	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	LC 39 Firing Room #1	SC/LW CICA UL	SC/LW CICA UL
14 QJ		14 KG	RD 2050.8	See SD page 2040	See SD page 2040	See SD page 2040	See SD page 2040	LC 39 MSS (TD 9700)	LC 39 MSS (TD 9700)	LC 39 MSS (TD 9700)
15 QJ		15 KG	RD 2050.8	1 TVM 103	MSOB Rm 3436, Unit 245	Interleaver 22 (20L.8KBS)	Interleaver 22 (20L.8KBS)			
16 QJ		16 KG	RD 2050.8	1 TVM 095	LC 39 MSS (TD 9700)	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	GSE DTCS UL	GSE DTCS UL
17 QJ		17 KG	RD 2050.8	1 TVM 092	MSOB Rm 3436, Unit 245	GSE DTCS UL	GSE DTCS UL			
18 QJ		18 KG	RD 2050.8	See SD page	See SD page	See SD page	See SD page	See SD page		
19 QJ		19 KG	RD 2050.8	1 TVM 093	MSOB Rm 3436, Unit 245					
20 QJ		20 KG	RD 2050.8	1 TVM 095	LC 39 MSS (TD 9700)	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245	MSOB Rm 3436, Unit 245		
21 QJ		21 KG	RD 2050.8	1 TVM 092	MSOB Rm 3436, Unit 245					

## 1. CLASSIFICATION

SECURITY PLAN

COMMUNICATIONS SUPPORT - DATA CHECKLIST

SD-FLIGHT READINESS TEST

2057.1

5 REPLACES PAGE(S)

6. TITLE		7. NO.			4. PAGE NO.	
8. ITEM NO.		9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. DISCUSSION	5. REVISION NO.
19 QJ	501 & UP	14 PG	ED 2050.12	1 TVM 186 1 TVM 187 1 TVM 188 1 TVM 001 1 TVM 002	CIF Room 327 CIF Room 327 CIF Room 327 CIF Room 327 CIF Room 327	LCC 39, Room 4PL1, Rack 12 LCC 39, Room 4PL1, Rack 12
20 QJ		5 PG 2 PG	RD 2040.7 RD 2050	1 TVM 180-183 1 TVM 005 1 TVM 006	KSC TEL. IV	L/V RF Links
21 QJ		5 PG 3 PG	RD 2040.7 RD 2050	1 TVM 168 1 TVM 224 1 TVM 225 1 TVM 226	CIF, Room 291, Rack 28 CIF, Room 291, Rack 28 CIF, Room 291, Rack 28 CIF, Room 291	S/C TIM Data #1 S/C TIM Data #2 S/C TIM Data #3 S/C TIM Data
T38.9	PEGK	3402.4.L.1			USB Site	
22 QJ		5 PG 1 PG	RD 2040.7 RD 2050	1 TVM 052 1 DAM 053	MSOB Room 3436	
23 QJ		4 PG	RD 2050 PSRD	1 TIM 002 1 TIM 003	KSC AMS	
T38.4	PEGK	3402.4.L.1			CIF, Room 291	PCM TM #1
24 QJ		5 PG 7 PG	ED 2040.7 ED 2050.1	1 TVM 196-201	CIF, Room 291	Closed Loop TIM (Multi Plex)
25 QJ		6 PG 5 PG	ED 2050.1 ED 2040.7	1 TIM 202	CIF, Room 291	L/V DDAS Return

1. CLASSIFICATION = ANY				2. DATE September 22, 1967	4. PAGE NO. 2058
6. TITLE APOLLO SATURN V SD - FLIGHT READINESS TEST				3. REVISION NO. 0	5. REPLACES PAGE S
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12.	7 NO 40002
1 QJ	501 & Up	10 PG 9 PG	ED 205C.5 RD 2050.4	<u>YSC CIRCUIT #</u>	
2 QJ		3 KG	ED 2050.2	274C 008 Reference Item 3 QJ, SD page 126.	TO
3 QJ		12 PG	ED 205C.9	ED 260-261	FROM
4 QJ		13 PG	RD 2050.10 ED 205C.11	LDAM 083-094	ETR, ERRS
5 QJ		15 PG	RD 2050.12	LDAM 231-255	CIF, Ant. Site
6 QJ		5 PG 1 PG	RD 204C.7 RD 205C.0	LDAM 541-620	MSOB Room 3436
7 QJ		5 PG	RD 2040.7	CIF Room 327	G&N PIPA Circuits
8				LCC-39 Room 4P11	Telemetry Data
9 QJ		9 KG	RD 2050.7	CIF Room 291, Rack 28	Telemetry Data
10 QJ	1 JG - 3 JG		2DAB 138	(80 Pair)	(80 Pair)
				CIF, Room 291, Rack 28	S/C Telemetry
				2DAM 264-275	UDL Circuits
				MSOB, Rm. 3412 LC 39 Service Structure Level 8A	Lief
				2EAM 183	CIF Pm. 307, MSFC
				Table 1 W/Est. Tbl. 3	Table 1 CIF Em. 307, MSFC
				2PAM 84	Table 2 W/Est. Tbl. 4 MSFC
				2PAM 43	CIF Rm. 307 Lief Console MSFC HQSC

COMMUNICATIONS SUPPORT - MIRE PATES							
6 TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST							
8 ITEM NO.		9 TEST CODE	10 SD RD ITEM NO.	11 SD RD PAGE NO.	12	DISCUSSION	
						TO	<u>USE</u>
						FROM	
11		501 & Up	8 KG	RD 2050.2	2 DAM 260 2 DAM 261	LC 39A, ML 300, TD 9060 LC 39A, ML 300, TD 9060	MSOB Rm 3436, Unit 245 MSOB Rm 3436, Unit 245
12 QJ		9 KG	RD 2050.7	2 DAM 264, 275	MSOB Rm 3436, Unit 245	LC 39 FR. Unit 17	
13 QJ		10 KG	RD 2050.7	2 DAM 103	MSOB Rm 3412	LC 39 MSS (TD 9707)	
14 QJ		16 PG	RD 2050.12	(reference Item 4 QJ, SD page 127)			
15 QJ							
2 DATE		September 22, 1967		4 PAGE NO.		2058.1	
3 REVISION NO.		0		5 REPLACES PAGE NO.			
6 TITLE		APOLLO/SATURN V SD-FLIGHT READINESS TEST		7 NO		40002	
8 ITEM NO.		9 TEST CODE		10 SD RD ITEM NO.		11 SD RD PAGE NO.	
12							
13							
14							
15							

6 TITLE APOLLO SATURN V SD - FLIGHT READINESS TEST							4. PAGE NO. 2058.2	
7 NO. 40002				5. REPLACES PAGE S				
6. ITEM NO.				8. TEST CODE	9. SD RD ITEM NO.	10. SD RD PAGE NO.	11. SD RD PAGE NO.	
12.				DISCUSSION				
16 QJ	501	PSRD T38.2PECK thru: T38.12PEKD	PSRD 3402.4.4.1	KSC CIRCUIT #		FROM	TO	USE
				GD58247 GD58746 GW58245 GW58246		MCCH MCCH MCCH MCCH	CIF, Fn 177 Flt Crew Trng. CIF, Fn 177 CIF, Fn 177 KSC, USB Site Flt Crew Trng.	Cast & S - IVB AMS - CMDS
				3H58760		MCCH	MSOB Tech Library	Cast & S - IVB
				2 DAB092/2DACL24 2 DAB093/2DACL25 2 DAB128/2DAO126		CKAFS 1.16 CKAFS FPQ-6 KSC TPQ18	CIF, Fn 177/291 CIF, Fn 177/291 CIF Rm 177/291	Cast & S - IVB
				CD8290 GD8292 GW58705 2DABL38/TTL026 2DAE139/TTL027		MCCH MCCH ETR ETR	CKAFS CKAFS USB CIF, Fn 291 CIF, Fn 291	Cast & S - IVB
							TIM Data	TIM Data
(Reference Item 1 &, SD page 126)								

## 1. CLASSIFICATION (If Any)

TESTING SPECIFICATIONS

6. TITLE  
APOLLO/SATURN V SD - FLIGHT READINESS TEST

8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. NET NUMBER AND FUNCTION OR NAME	13. STATION OR LOCATION	14. C	15. 7. NO. 400002	16. 4. PAGE NO. 2060	17. 5. REPLACES PAGE 5.
1 QJ	501 & UP	1 KG	RD 2060	MSCB Rm 2456 Rack 12(reference Item	X X X X X X				
2 QJ		2 KG	RD 2060.1	MSOB Rm 3416 Rack F	X				
3 QJ		3 KG	RD 2060.3	MSCE Rm 3436 Rack 250A					
4 PG		4 PG	RD 2060.9	FMC Van at LC 39 Pad A (reference Item 21 QJ, SD page 127, 2) (reference Item 5 QJ, SD page 126)					
5 PG		5 PG	RD 2060.10	LC-32 PTCR Room 210 Rack 33					
6 PG		6 PG	RD 2060.11	LC-39 RACK #1 Room 153, RACK 5					
7 PG		7 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
8 PG		8 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
9 PG		9 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
10 PG		10 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
11 PG		11 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
12 PG		12 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
13 PG		13 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
14 PG		14 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
15 PG		15 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
16 PG		16 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
17 PG		17 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
18 PG		18 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
19 PG		19 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
20 PG		20 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
21 PG		21 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
22 PG		22 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
23 PG		23 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
24 PG		24 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
25 PG		25 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
26 PG		26 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
27 PG		27 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
28 PG		28 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
29 PG		29 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
30 PG		30 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
31 PG		31 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
32 PG		32 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
33 PG		33 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
34 PG		34 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
35 PG		35 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
36 PG		36 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
37 PG		37 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
38 PG		38 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
39 PG		39 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
40 PG		40 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
41 PG		41 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
42 PG		42 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
43 PG		43 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
44 PG		44 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
45 PG		45 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
46 PG		46 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
47 PG		47 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
48 PG		48 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
49 PG		49 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
50 PG		50 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
51 PG		51 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
52 PG		52 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
53 PG		53 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
54 PG		54 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
55 PG		55 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
56 PG		56 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
57 PG		57 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
58 PG		58 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
59 PG		59 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
60 PG		60 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
61 PG		61 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
62 PG		62 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
63 PG		63 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
64 PG		64 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
65 PG		65 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
66 PG		66 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
67 PG		67 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
68 PG		68 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
69 PG		69 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
70 PG		70 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
71 PG		71 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
72 PG		72 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
73 PG		73 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
74 PG		74 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
75 PG		75 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
76 PG		76 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
77 PG		77 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
78 PG		78 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
79 PG		79 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
80 PG		80 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
81 PG		81 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
82 PG		82 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
83 PG		83 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
84 PG		84 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
85 PG		85 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
86 PG		86 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
87 PG		87 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
88 PG		88 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
89 PG		89 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
90 PG		90 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
91 PG		91 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
92 PG		92 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
93 PG		93 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
94 PG		94 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
95 PG		95 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
96 PG		96 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
97 PG		97 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
98 PG		98 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
99 PG		99 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					
100 PG		100 PG	RD 2060.12	LC-39 RACK #1 Room 153, RACK 5					

## 1. CLASSIFICATION (If Any)

## 1. CLASSIFICATION

TIMING SPECIFICATIONS

## 1. CLASSIFICATION (IF ANY)

2. DATE September 22, 1967	4. PAGE NO. 20
3. REVISION NO.	5. REPLACES PAGE(S)

TIMING SPECIFICATIONS

1. TITLE APOLLO/SATURN V SD-ELIGHT READINESS TEST

200

40002  
NC

		STATION OR LOCATION	A	C
1	QJ	CIF Room 291 Rack C-7 Rack C-8	X	X
2	QJ	CIF Room 173	X	X XXXXX
3	QJ	CIF Room 173	X	X XXXXX
4	QJ	TRIG-D Deleted by requester.		
5	QJ	LOC-39 Room 2P20 Rack 22	X XX	X XXX
6	QJ	MT#1 Room 1OB Rack 27 MT#1 Room 1OB Rack 16	XX X X	X X
7	QJ	CIF Antenna Site Rack E-2 (reference Item _____, SL page 127)	XXX	XXX
8	QJ	CIF Room 307 Rack A-5	XX	XX
9	QJ	LOC-39 Room 4P11 Rack 3	X X	X X

CLASSIFICATION



## 1. CLASSIFICATION

\* VISUAL COUNTDOWN AND STATUS INDICATORS

6 TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7 NO.		2. DATE September 22, 1967	4. PAGE NO. 2020
8. ITEM NO.		9. TEST CODE	10. SD RD ITEM NO.	3 REVISION NO. 0	5. REPLACES PAGE NO.
11.		SD RD PAGE NO.	12.	400002	DATED:
1	QJ	501	1 KG	RD 2080	CX 39 MSS Platforms A and C
2	QJ	& Up	3 KG	RD 2080	(reference Item 23 QJ, SD page 127.3)
3	QJ		4 KG -10 KG	RD 2080	MSOB Rooms 2456, 3430, 3436, 4432, 4452, 3412 and 3416 (reference Item 35 QJ, SD page 127.2)
4	QJ				(reference Item 21 QJ, SD page 127.2)
5	QJ				(reference Item 21 QJ, SD page 127.2)
6	QJ				
7	QJ				
8	QJ				
9	QJ				
10	QJ				
11	PG				
12	PG				
13	JG				
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## VISUAL COUNTDOWN AND STATUS INDICATORS

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September 22, 1974  
REVISION NO. 1  
S. REFERENCES PAGE 5  
2080.1



1. CLASSIFICATION = ANY

				2. DATE September 22, 1967	4. PAGE NO. 222C
				3. REVISION NO. C	5. REACES PAGES 0
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST				7. NO. 4000C	8. DATED
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12.	DISCUSSION
1 PG	501 & Up	1 JG	RD 2210	A. <u>Flight Controller</u>	
<p>1. a. 16 telemetry parameters per page will be provided.                b. Multiple parameter plots will not be provided. Capability does not exist at this time.                c. Capability of plotting minimum and maximum limits will not be provided.                      Provided in a. above.</p> <p>2. a. Capability of going back in time does not exist at this time.                b. Ability to make hard copy of video display does not exist.                c. Slide selection capability will be provided.                d. Keyboard type arrangement will be provided.</p> <p>3. a. Guidance and control list will be provided as specified in RD 4000CA.                b. LVDC telemetry data of channel H60-603 computer program is not complete and cannot be provided at this time.</p>					

DATA DISPLAY AND CONSOLES

1. CLASSIFICATION = ANY

## 1. CLASSIFICATION

				2. DATE September 22, 1967	4. PAGE NO 2500
				3. REVISION NO 0	5. REPLACES PAGE NO 0
6. TITLE APOLLO/SATURN V SR - FLIGHT READINESS TEST		7. NO. 40002		8. DATE C	
9. ITEM NO.		10. TEST CODE	11. SD RD ITEM NO.	12. SD RD PAGE NO.	DISCUSSION
1 PG		501 & Up	1 KG	RD 2500 RL 2500.1	For information only (ACE FR 1400 and/or CDC 606 Computer Room Data Tape, Post-Test Data Processing and Data Setup Sheets).
2 PG			2 KG	RD 2500.2	For information only (Post Test Data Requirements and Format for Computer Processing.).
3 PG			3 KG	RD 2500.2	For information only (Scheduled Data Processing Requirements).
4 PG			4 KG	RD 2500.2	For information only (Unscheduled Data Processing Requirements).
5 PG			7 KG	RD 2500.2	G & N Data Processing
					1. GMCD Block I Spacecraft will be provided.
					2. GNDE Block II Spacecraft will be provided.
6 PG			8 KG	RD 2500.3	PFDP program will be provided.
7 PG			9 KG	RD 2500.3	PSPD program will be provided.
8 PG			10 KG	RD 2500.3	GNDE program Block II will be provided.
9 PG			11 KG	RD 2500.4	CBLV program will be provided
10 PG			12 KG	RD 2500.4	ENGU program will be provided.
11 PG			13 KG	RD 2500.4	DSEC program will be provided.

FLIGHT EVALUATION DATA PROCESSING COMPUTER SUPPORT - GENERAL

2500.1

4. PAGE NO.

5. REPLACES PAGE'S

September 22, 1967

3. REVISION NO.

0

DATED:

40002

FLIGHT READINESS TEST

6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST

7. ITEM NO. 8. TEST CODE 9. SD RD ITEM NO.

10. SD RD PAGE NO.

11. SD RD PAGE NO.

12. PG 501 & Up 14 KG

RD 2500.5

13. PG 15 KG

RD 2500.5

AERF program will not be provided (reference Item 36 QJ, SD page 127.3).

UPTK program will not be provided (reference Item 37 QJ, SD page 127.3).

DISCUSSION

## 1. CLASSIFICATION (IF ANY)

FLIGHT EVALUATION DATA PROCESSING COMPUTER SUPPORT - MISCELLANEOUS							2. DATE September 22, 1967	4. PAGE NO. 2550
							3. REVISION NO. 0	5. REPLACES PAGE S 0
6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST							7. NO. 400002	8. DATED:
ITEM NO.	TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12.	DISCUSSION			
1 PG	501 & Up	1 KG	RD 2550	Low LES Abort System A - Events will be provided from T minus 15 sec to Impact.				
2 PG		2 KG	RD 2550	SPS Abort System A - Events will be provided from T minus 15 sec to CSM Separation.				
3 PG		3 KG	RD 2550	UDL Test - Events will be provided from T minus 15 sec to end of test.				
4 PG		4 KG	RD 2500	Normal Mission - Events will be provided from T minus 15 sec to Impact.				
5 PG		5 KG	RD 2500	Normal Mission - Events will be provided from T minus 15 sec to T plus 3 min.				
6 PG		6 KG	RD 2500	G & N AGC printout will be provided from T minus 30 sec to T plus 15 min.				

## FLIGHT EVALUATION DATA PROCESSING COMPUTER SUPPORT - GENERAL

3. REVISION NO. : 0

4. PAGE NO. : 2550.1

5. REPLACES PAGE(S) :

S TITLE : APOLLO/SATURN V SD - FLIGHT READINESS TEST

6. ITEM NO.	7. TEST CODE	8. TEST ITEM NO.	9. SD RD PAGE NO.	10. SD RD PAGE NO.	11. SD RD PAGE NO.	12. SD RD PAGE NO.	13. DISCUSSION	14. DATED.
1 PG	501 & Up	1 JG	RD 2550.1	Computer tabulation of TU measurements in engineering units will be provided from T minus 10 sec to T plus 990 sec.				
2 PG		2 JG	RD 2550.1	Computer tabulation of TU measurements in voltage will be provided from T minus 10 sec to T plus 990 sec.				
3 PG		3 JG	RD 2550.1	Computer tabulation of TU measurements in voltage will be provided from T minus 10 sec to T plus 990 sec.				
4 PG		4 JG	RD 2550.1	Voltage printout in engineering units will be provided from T minus 10 min to T minus 9 min.				
5 PG		5 JG	RD 2550.1	Computer tabulation of CIF error message will be provided.				
6 PG		6 JG	RD 2550.1	Computer tabulation vehicle bilevel measurements will be provided from T minus 35 sec to T plus 180 sec.				
7 PG		7 JG	RD 2550.1	SC 4020 time history plots of TU measurements will be provided from T minus 10 sec to T plus 990 sec.				
8 PG		8 JG	RD 2550.1	SC 4020 35 mm microfilm will be provided from T minus 10 sec to T plus 990 sec.				
9 PG		9 JG	RD 2550.2	SC 4020 time history plots will be provided from T minus 35 sec to T plus 180 sec.				
10 PG		10 JG	RD 2550.2	LWDC-2 real time guidance will be provided from T minus 10 min to End of Test.				
11 PG		11 JG	RD 2550.2	SC 4020 plots of LWDC-2 will be provided from T minus 20 sec to TB5 plus 100 sec.				
12 PG		12 JG	RD 2550.2	Computer printout DEE6 alphanumeric tape will be provided from start of count to end of test.				
13 PG		13 JG	RD 2550.2	Computer printout sector dump of Flight Computer will be provided.				
14 PG		14 JG	RD 2550.2	Octal printout, CCS Command from MCC-H to USB will be provided.				
15 PG		15 JG	RD 2550.2	Octal printout CCS Commands from USB to IU will be provided.				
16 PG		16 JG	RD 2550.2	SC 4020 book copy TU measurements will be provided.				

## 1. CLASSIFICATION

**PHOTOGRAPHIC ACQUISITION - DISPOSITION**

DOCUMENTARY

2. DATE September 22, 1967

4. PAGE NO. 2700

3. REVISION NO. 0

5. REPLACES PAGES

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST

7. NUMBER 40002

8. DATE

9. TEST CODE ECR-12

10. VEHICLE

**SD ITEM NO.**      **LOCATION**      **CAMERA FORMAT**      **F/L**      **FPS**      **FILM TYPE**      **LOAD**      **START**      **EXP**      **PROCESSING AND DISPOSITION**

**REMARKS:** Photographic coverage of GSE/DDT's S/CSM Test set ups and test stand configuration is required for Engineering Analysis of problem areas during GSE/Complex setups.

NOTE: See page 126

**REF. ITEM**      **1 KG**      **REF. PAGE** 2700.8      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.3.1

**REF. ITEM**      **4 X 5**      **A/R**      **N/A**      **B&W Polaroid**      **Color**      **N/A**      **A/R**      To be specified at time of work order request.

**REMARKS:** Photographic coverage of parts anomalies, damaged components, component failure fixes and failure analysis occurring during test for duration of test.

NOTE: See page 126

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.1

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.2

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.3

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.4

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.5

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.6

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.7

**REF. ITEM**      **REF. PAGE** 2610.2      **REF. ITEM**      **1 KG**      **REF. PAGE** 2610.2.8

1. CLASSIFICATION (IF ANY)		2. DATE		4. PAGE NO.	
		September 22, 1967		2820	
5. REPLACES PAGE'S		3. REVISION NO.		0	
6. TITLE		7. NO.		8. DATED	
METEOROLOGICAL - FORECASTS		40002		40002	
APOLLO/SATURN V SD-FLIGHT READINESS TEST		9. TEST CODE		10. SD RD ITEM NO.	
		11. SD RD PAGE NO.		12.	
ITEM NO.		DISCUSSION			
1 NF		501 & Up		General Forecast of surface winds, precipitation, and thunderstorms followed by continuous advisory service including lightning and atmospheric electrical activities will be provided.	

6. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST		7. NO. 40002		4. PAGE NO. 3200
8. ITEM NO.	9. TEST CODE	10. SD RD ITEM NO.	11. SD RD PAGE NO.	12. DISCUSSION
1 RL	501 & Up	1 PG	RD 3200	Base Utilities (TWA-271) will check out the permanently installed generators at the CIF Antenna Site three days prior to start of test and provide on site switching personnel from one hour prior to start of test until test termination. The generator will be running during the test.
2 PL		2 PG	RD 3200	Base Utilities (TWA-271) will provide a 115KW, 3P4W, 120/208 generator to backup power to rooms 177, 291 and 297 in the CIF and have it in place and checkout out by 3 days prior to start of test. Switching personnel will be on site from one hour prior to start of test until test termination. The generator will be running during the test.
3 RL		1 PB	RD 3200.2	Mail and Postal (TWA-203) will provide qualified couriers to PB-1 in rooms 234/236 of CIF as follows: from T-0 to T+8 hrs., T+8 hrs to T+24 hrs., and T+1 day to T+2 days, 0730-1600.
4 RL		3 PG	RD 3200.3	Base Utilities (TWA-271) will provide a 15 KW, 120/208, 3-phase generator with Russel Stowe 3134 W receptacle to provide power to EMC van (HE 703002) located at Pad A. Generators will be on site and checked out by three days prior to test.
5 RL		1 JG	RD 3200.4	Fire Protection (TWC-520) will provide fire truck and personnel on standby at the pad for duration of test.
6 RL		9 JG	RD 3200.4	Medical (TWA-710) will provide standby emergency support at LCMF with backup at the OFF for duration of test.
7 RL		2 JG	RD 3200.4	Mobile Food Service will be provided to serve the Pad area and ML during the test, as required.
8 RL		1 KG	RD 3200.1	KSC Security will arrange for guards to clear and control limited areas for duration of test.
9 RL		5 JG	RD 3200.4	Base Utilities (TWA-271) will verify the operation of the Temperature and Humidity Monitor/Alarm System at LCC Rooms 3FL5/3FL7 prior to and during the test.
10 RL		8 JG	RD 3200.4	Fire Protection (TWC-520) will provide a fire truck and personnel on standby at the LC-39 fire station.
11 QL		2 KG	RD 3200.1	Bendix PSCL will provide Mass Spectrometer leak detection support as requested in RD. Verbal results on site (reference Item 9 QL, SD page 126).
12 QL		3 JG	RD 3200.4	Bendix C-39 Department will provide potable water as needed at the Pad ECS Cooling Towers.
13 RL		3 JG	RD 3200.4	Base Utilities (TWA-271) will provide Potable water to the shut off valve at the pad ECS Cooling Towers without interruption for duration of test.

## 1. CLASSIFICATION (IF ANY)

				2. DATE September 22, 1967	4. PAGE NO. 3200.1
				3. REVISION NO. 0	5. REPLACES PAGE'S
				7. NO. 40002	8. TITLE APOLLO/SATURN V SD-FLIGHT READINESS TEST
				9. ITEM NO.	10. TEST CODE
				11. SD RD ITEM NO.	12. SD RD PAGE NO.
				DISCUSSION	

14 QK	501 & Up	5 JG	RD 3200.4	C-39 Department personnel will provide air conditioning to the ground computer system room, 15A, on the ML. C-39 personnel will position MSS platform #2 to the IU level before T-7 hours and operate and maintain this platform through the post test removal of the couplers.	
15 QK		7 JG	RD 3200.4		
16 RL		3 KG	RD 3200.1	Mail and Courier (TWA-203) will provide a qualified courier to pick up data from the SCTC in the active ACE Control Room in the MSOB as follows: (depending when the test is scheduled), 0800 and 1500, Monday thru Friday, 0830 and 1100 on Saturday, with on-call pickups available between times specified.	
17 RL		1 JG	RD 3200.4	System Safety Department will provide safety supervisors to monitor and implement the ground safety rules in accordance with KSC Ground Safety Plan K-V053.	
18 RL		6 JG	RD 3200.4	Base Utilities (TWA-271) will verify the operation of the Temperature and Humidity Monitor/Alarm System at LCC Room 3PL5/3PL7 prior to and during test.	

## 1. CLASSIFICATION : F ANY

PROPELLANTS, GASES, AND CHEMICALS

APOLLO/SATURN V SD - FLIGHT READINESS TEST										4. PAGE NO. 323C
2. DATE September 22, 1967										5. REPLACES PAGE :
3. REVISION NO. 0										
6. ITEM NO.										7. NO. 40002
8. TEST CODE										8. DATED:
9. SD RD ITEM NO.										9. DISCUSSION
10. SD RD PAGE NO.										10. SD RD PAGE NO.
11. SD RD PAGE NO.										11. SD RD PAGE NO.
12.										12.

- 1 QL 501 & Up 1 JG RD 3230 Bendix HPG Department will provide Gaseous Nitrogen, MSFC-234, from the Pad High Pressure Storage Battery to the GN<sub>2</sub> High Pressure Distribution System on the ML.
- 2 QL 2 JG RD 3230 Bendix HPG Department will provide Gaseous Nitrogen, MSFC-234, from the Pad High Pressure Storage Battery to the ECS Room at the PTCR.
- 3 QL 3 JG RD 3230 Bendix HPG Department will provide Gaseous Nitrogen, MSFC-234, from the Converter Compressor Facility to the ECS Room at the PTCR.
- 4 QL 4 JG RD 3230 Bendix HPG Department will provide Gaseous Helium, MSFC-364A, from the Pad High Pressure Storage Battery to the GNE High Pressure Distribution System on the ML.

1. CLASSIFICATION OF AN						2. DATE September 22, 1967	4. PAGE NO. 3240				
						3. REVISION NO. C	5. REPLACES PAGE(S)				
6. TITLE APOLLO/SATURN V SD - FLIGHT READINESS TEST						7. NO. 40002	8. TEST CODE	9. ITEM NO.	10. SD/RD ITEM NO.	11. SD/RD PAGE NO.	12. DISCUSSION
1	KG	1	SD 3240	Bendix PSCL has capability of analyzing Ethylene Glycol/Water Solution-Inhibited Type II. However, current revision of NAA MB0110-006 specification calls for Phosphate as Phosphoric Acid-0.2 to 0.5 instead of Triethanolamine Phosphate (reference Item 8 QL, SD page 12 and Item 31 QL, SD page 127.2).							
2	KG	2	RD 3240	Bendix PSCL will sample Gaseous Helium on request and analyze for conformance to Spec. MIL-P-27407 as indicated in RD. Results in 4 hours by telephone (reference Item 8 QL, SD page 126).							
3	KG	3	RD 3240.1	Bendix PSCL will sample Oxygen, Types I and II and analyze for conformance to spec. MIL-O-27210B as indicated in RD. Results in 4 hours by telephone (reference Item 8 QL, SD page 126).							
4	KG	4	RD 3240.1 RD 3240.2	Bendix PSCL will sample Nitrogen, Types I and II and analyze for conformance to spec. MIL-P-27401. Results in 4 hours by telephone (reference Item 8 QL, SD page 126).							
NOTE: Sampling equipment will be cleaned to a level commensurate with contamination limit specifications.											